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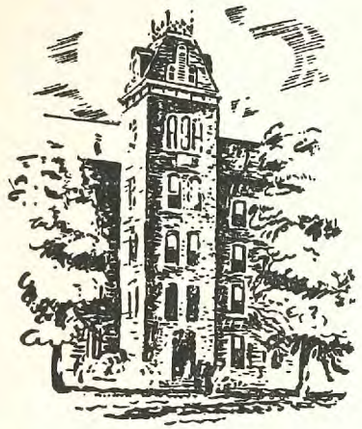
This Is Juniata



THROUGH MORE than three-quarters of a century Juniata College has developed as a college of liberal arts and sciences with its distinctive principles of education. On the basis of these principles it makes its appeal to young men and women seeking the kind of education it has to offer.

There are three distinguishing characteristics of Juniata College, to which special attention is directed. Each is indispensable in the total pattern of Juniata and all of them together fuse into a complete whole.

1. *By present-day standards, Juniata is a small institution.* This fact is regarded as a positive asset. In a student body of 600, each student is known as an individual; his background, his problems, his aspirations, and his promise receive constant attention. In small classes instruction can be personalized.

2. *The curriculum at Juniata is two-dimensional.* Each student becomes acquainted with the broad field of man's knowledge as it has developed down through the ages. Each student also has ample opportunity to pursue a specialized field of study in terms of his interests and talents and his ultimate vocational objective.

3. *Juniata College, by virtue of the circumstances of its founding and its present commitments, is known as a Christian College.* All aspects of life at Juniata fall within the scope of Christian faith and conduct. Religion is the enriching center of all campus activities. At the same time, the resources of the College are offered to every student without discrimination.

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The Calendar for 1953-54

SUMMER TERM

JUNE	15	*Monday.* Term begins, 8: 00 a. m.
JULY	20	*Monday.* Second period begins, 8: 00 a. m.
AUGUST	21	*Friday.* Summer Term Commencement

FALL TERM

SEPTEMBER	14	*Monday.* Freshman Assembly, 1: 00 p. m.
SEPTEMBER	17	*Thursday.* Convocation and first classes, 9: 00 a.m.
NOVEMBER	25	*Wednesday.* Thanksgiving Recess begins, 12: 30 p. m.
NOVEMBER	30	*Monday.* Classes resume, 8: 00 a. m.
DECEMBER	19	*Saturday.* Christmas Recess begins, 12: 00 m.
JANUARY	4	*Monday.* Classes resume, 8: 00 a. m.
JANUARY	18	*Monday.* Final examinations begin.

SPRING TERM

FEBRUARY	1	*Monday.* Convocation and first classes, 9: 30 a. m.
MARCH	27	*Saturday.* Spring Recess begins, 12: 00 m.
APRIL	5	*Monday.* Classes resume, 8: 00 a. m.
MAY	24	*Monday.* Final examinations begin.
JUNE	5	*Saturday.* Alumni and Class Day.
JUNE	6	*Sunday.* Baccalaureate Service, 10: 45 a. m.
JUNE	7	*Monday.* Commencement, 10: 30 a. m.
JUNE	7	*Monday.* Annual meeting of the Board of Trustees.

The Calendar for 1954-55

SUMMER TERM

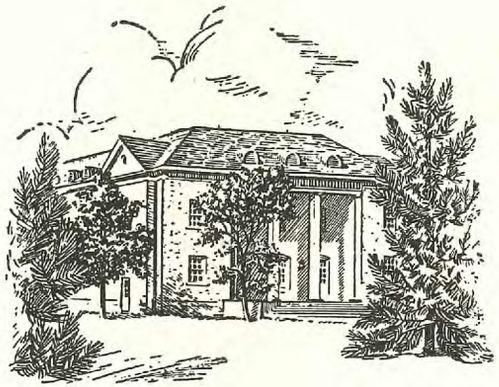
JUNE	21	*Monday.* Term begins, 8: 00 a. m.
JULY	26	*Monday.* Second period begins, 8: 00 a. m.
AUGUST	27	*Friday.* Summer Term Commencement.

FALL TERM

SEPTEMBER	13	*Monday.* Freshman Assembly, 1: 00 p. m.
SEPTEMBER	16	*Thursday.* Convocation and first classes, 9: 00 a. m.
NOVEMBER	24	*Wednesday.* Thanksgiving Recess begins, 12: 30 p. m.
NOVEMBER	29	*Monday.* Classes resume, 8: 00 a. m.
DECEMBER	18	*Saturday.* Christmas Recess begins, 12: 00 m.
JANUARY	3	*Monday.* Classes resume, 8: 00 a. m.
JANUARY	17	*Monday.* Final examinations begin.

SPRING TERM

JANUARY	31	*Monday.* Convocation and first classes, 9: 30 a. m.
MARCH	26	*Saturday.* Spring Recess begins, 12: 00 m.
APRIL	4	*Monday.* Classes resume, 8: 00 a. m.
MAY	23	*Monday.* Final examinations begin.
JUNE	4	*Saturday.* Alumni and Class Day.
JUNE	5	*Sunday.* Baccalaureate Service, 10: 45 a. m.
JUNE	6	*Monday.* Commencement, 10: 30 a. m.
JUNE	6	*Monday.* Annual meeting of the Board of Trustees.



Introductory Information

Historical Background

ON April 17, 1876, three students and one teacher met to study around a long pine table in a borrowed room of a printing office in Huntingdon—and what is now Juniata College was born.

The teacher was Jacob M. Zuck, and his general curriculum was called "Mental and Moral Science." He had become the first teacher of the new school, known then as "The Huntingdon Normal School," at the invitation of the founders, who were three members of the Brumbaugh family: Dr. A. B., H. B., and J. B. Ten more students later joined the first class, and the school continued to grow through the tireless promotional efforts "of voice and pen" by Professor Zuck and the Brumbaughs.

In the spring of 1879 the new institution moved to its present site on College Hill at the west end of Huntingdon. The citizens of Huntingdon had bought and donated the land, and contributed generously to the fund for the first building, Founders' Hall.

With the subsequent growth in student body, faculty, physical equipment, and curriculum, the school changed its name to Brethren's Normal School and Collegiate Institute, then to Brethren's Normal College, then to The Normal College. Finally, in 1894, the same year in which Martin Grove Brumbaugh became President, it took the name which the Iroquois Indians had given to the nearby river—Juniata.

The purpose of the founders was to provide a school where children of the Church of the Brethren (then known as the German Baptist Brethren, or Dunkers) could receive an education in a religious environment. From the beginning, however, the College has offered its resources to qualified young people without regard to sect or creed.

There have been six presidents in Juniata's history: James Quinter (1878-1888), Henry B. Brumbaugh (1888-1894), Martin Grove Brumbaugh (1894-1910; 1924-1930), I. Harvey Brumbaugh (1900-1911, acting; 1911-1924), Charles Calvert Ellis (1930-1943), and Calvert N. Ellis, who was inaugurated in October, 1943.

Accreditation

JUNIATA COLLEGE is accredited by the Middle States Association of Colleges and Secondary Schools (since 1922); is a member of the Association of American Colleges and the American Council on Education; is on the approved list of the American Association of University Women and the American Chemical Society; and is recognized by the Pennsylvania State Council of Education, the Pennsylvania Board of Law Examiners, the Board of Regents of the University of the State of New York, and the American Medical Association.

The College was included in the list of institutions approved by the Association of American Universities when in October, 1948, that Association discontinued the accreditation of undergraduate institutions.

Location

THE COLLEGE is situated at the west end of Huntingdon, a borough of more than 7,000 inhabitants near the center of Pennsylvania. The town is located on the main line of the Pennsylvania Railroad, 206 miles west of Philadelphia and 148 miles east of Pittsburgh. Federal highway Route 22, known as the William Penn Highway, passes by the town. Being located on these two important arteries of traffic, Juniata is easily accessible from all parts of the state.

Resources

THE FACILITIES and endowment of Juniata College today represent an investment of more than two and a half million dollars. These assets have been contributed across the years through the generosity of friends and alumni.

Among the assets are the endowment funds, which on June 15, 1952 amounted to almost one million dollars. With the income from these funds the College supplements the fees and charges paid by students, who accordingly pay only a portion of what their education actually costs.

Included in the endowment are the following specific funds: the Alumni Fund, the Mary S. Geiger Professorship, the A. B. Brumbaugh Science Endowment, the J. F. and Elizabeth Oller Endowment, the J. W. Swigart Memorial, the W. M. Fogelsanger Endowment, the James Quinter Memorial, the E. M. C. Africa Endowment, the J. J. and Myrtle Oller Endowment, the Class of 1926 Endowment, the J. M. Fogelsanger Trust Endowment, the M. G. Brumbaugh Memorial Professorship, the I. Harvey Brumbaugh Memorial Professorship, and the John Downey Benedict Memorial Professorship.

Alumni Association

SINCE 1885, the graduates of Juniata College have been organized in an Alumni Association, which includes in its active membership both graduates and former students of the College as it is now organized, of the former preparatory school, and its predecessor, The Brethren's Normal College. The constitution was revised in 1927 and an alumni council formed in 1936 to further perfect the organization. The latter body consists of representatives of each of the eighteen local associations and of each class. The annual business meeting of the year is held during the commencement season. The alumni council meets annually at Fall Alumni Homecoming.

The Alumni Association exists to strengthen the bond of interest between the College and its former students. The Alumni Fund, established in 1939 for the purpose of channelling all alumni contributions to the college through one major project annually, has been a very successful fund raising agency. In the college year 1951-52, 1,024 alumni contributed a total of $50,784.26. Local alumni associates are participating in a current million dollar Postwar Fund Drive which will provide for increased endowment and the erection of new college buildings.

The general association promotes 19 local associations located in 12 sections of Pennsylvania; Chicago, Ill.; Cleveland, Ohio; the District of Columbia; New York City; California; Florida; and Wilmington, Delaware.

A Liberal Education at Juniata

JUNIATA COLLEGE has tried to define clearly the type of education which it considers of highest value for our present generation, and is prepared to devote its resources to helping young men and women to achieve those particular educational goals.

Two duties weigh upon American colleges and universities today: First, to provide enlightenment, to foster the prized traditions of human culture and achievement, to lead the minds of men and women in a good way of life. Second, to satisfy the ever-growing need for technicians in the crafts and professions. Both of these obligations are vital to the nation's continued existence. Both are most proper incentives for any youth who in times of peace comes to the threshold of a college education.

As a college of liberal arts, Juniata is interested, above any other purpose, in aiding students to attain the values to be found in a cultural education, where the *whole man* may develop, and not just that part of him which must work for a living. Its founding and its history have been shaped by a desire to foster the highest human virtues and to aid young men and women in developing their innate powers to the place where they can become responsible and useful citizens, folks who are not only able to do things, but who understand the values of the things they do.

Liberal education is not narrow. It sets a standard of breadth as well as of depth in learning. To mitigate the educational faults of an age where specialization is so important, it urges the student to free himself from the tyranny of restricted learning. At the same time, because it is "liberal," or free, it admits the folly of trying to educate the thousands of young Americans of college age and college aptitude as though they were destined to become mere ornaments of polite scholarship. Liberal education recognizes the need for young people to become established as early as possible in the adult social and economic pattern and to become self-sufficient in purse as well as in mind. This college has constantly sought ways in which it can offer within its chosen limits of size the most vitally and permanently *useful* kind of higher education. Here will be found a curriculum calculated to provide first a sturdy foundation of basic educational

experiences in the main areas of human endeavor; and afterwards a considerable range of moderately specialized studies to serve as a proving ground for alert but undecided students, and a training field for those who have finally determined upon a life work.

In the post-war decades, no need is so grave as for citizens who in community and national affairs can bring trained minds along with wisdom and understanding to the solution of the nation's problems. Without them there can be little hope for a nation where power over physical nature has outstripped the wisdom to use that power, in which technology has advanced far beyond our sense of spiritual values. Juniata College confidently undertakes the task of educating thoughtful men and women in the broad responsibilities of democratic citizens.

The Pattern of Education at Juniata

THE PRESENT curriculum is the result of intensive study and revision in 1938, by which the College incorporated into its program of study some of the most valuable developments in higher education. The general plan provides that every student shall gain a large fund of information as well as a clear understanding of the place his studies hold in the broad field of learning. He must also acquire certain fundamental skills to aid him in applying his knowledge before he deserves to hold a degree and to take his place in the world among educated people.

At the beginning of his course the student will see laid before him a panorama of higher learning; he will also be introduced to a study of mental processes and the psychology of learning. During his later years he is left unhampered as far as possible to develop his individual talents. Mental achievement rather than mere conformity to technical requirements is increasingly stressed.

The greater part of the first year's work is devoted to introductory courses in the three "Divisions of Study." Three well-planned courses in the first term, one in each division, serve to integrate for the student the work of the various departments in which he will later study. By this means also he gains a sympathetic understanding of studies which he himself may not wish to pursue, but which may be of primary interest to his fellow students in the college. In his second term the student

is encouraged to continue his study in all three divisions by taking a course in some one subject of each.

From the beginning of the college course, the importance of easy and correct communication of ideas is stressed. The more formal work of composition classes has been replaced by a plan whereby every student is aided and encouraged in his desire to use his own language effectively by means of frequent conferences with some member of the faculty. He is required to continue under such supervision until he can meet a reasonable standard of proficiency. Since this ability is so important to the success of his later work, he should not expect to continue beyond the second year without having attained the standard.

Juniata College believes that every college student should have the discipline and experience of foreign language study. For many purposes, of course, a reading knowledge is sufficient; consequently every student is expected to demonstrate his capacity to read one foreign language. If he has that capacity on entering, he is at liberty to elect other studies; if he needs further instruction, he may continue in course work until he can meet this requirement.

The traditions and ideals of this College from its origin have embodied a knowledge of the Bible and of the finest standards of human conduct. Every student is required to take two specified courses in this field.

Health is a prerequisite for a good education and for success in later life. During the freshman year a student learns the elements of hygiene and in addition is encouraged to acquire at least a beginner's skill in a wide range of sports which will be the basis of his recreational life.

Juniata College is likewise interested in developing in each student a well-rounded personality. The counsel of a faculty adviser and of other specially trained members of the college staff is continually directed to helping the student understand his own problems and make full use of the many facilities provided on the campus. The comprehensive and cumulative record of his progress is often valuable as a basis for vocational and academic counsel.

The cultural life of the campus is enriched by the series of recitals and lectures presented each year. The College, at times with the cooperation of some of the citizens' organizations in Huntingdon, brings to Oller Hall a significant list of leading personalities in the fields of music, art, international affairs, and science.

Campus and Buildings

THE entire Juniata campus contains slightly more than 55 acres, 26 of which are used directly for college purposes. The site for the first buildings, the block bounded by Moore, Oneida, Seventeenth, and Eighteenth Streets, was donated by the citizens of Huntingdon in 1878. Located on an eminence in the west end of the town, the campus is beautifully shaded by many trees. Just north is Round Top, a knoll owned by the College, from which one may have a commanding view of three mountain ranges and the valley through which the Juniata flows.

Following are the college buildings with the years of their first use for college purposes:

FOUNDERS' HALL (1879) is used as the administrative building, with a chapel and administrative offices on the first and second floors. The upper floors provide residential quarters for women.

BRUMBAUGH HALL (1890) is named "in honor of the Brumbaugh group of Juniata's benefactors." It contains the apartment of the dean of women, the social rooms, and residences for women.

STUDENTS HALL (1895) provides on its three floors twelve lecture and recitation rooms and six instructors' offices. In this building is a telescope, made by the late Dr. J. A. Brashear, of Pittsburgh, Pa.

ONEIDA HALL (1898) is principally a residence for women. On the first floor, however, is the college dining hall, which in 1949 was doubled in size by a two-story addition at the east end of the building.

THE ATHLETIC FIELDS include a quarter mile cinder track, a baseball diamond, two football fields, a field for women's hockey, tennis courts and space for a small golf course. There is a covered grandstand on the principal athletic field.

THE WOMEN'S GYMNASIUM (1901) provides a large, unobstructed floor space and contains equipment for systematic physical education.

THE LIBRARY (1907) was erected through the generosity of Mr. Andrew Carnegie. It is a beautiful building, providing facilities for efficient library service. The library is open daily, except holidays, and is available to anyone for consultation free of charge. For circu-

lation a fee of $1.00 a year is charged to those not members of the College community.

The Library contains over 65,000 volumes, as well as carefully selected periodicals and the most important state and federal government publications. A large reading room is located on each side of the central loan desk, the one in the west wing being also the reference room, where several thousand standard works of general reference, chosen with special view to the needs of the different course of instruction, are housed. Supplementing those are many volumes of bound magazines. The Library serves faculty and students, not only through classroom instruction in the use of library tools, but through exhibits, an art collection, a file of current publications, reading groups, and inter-library loan service.

The Cassel Library, presented in 1899 by the late Dr. M. G. Brumbaugh, numbers 11,000 volumes and 4,000 pamphlets collected by the late Abraham H. Cassel, of Harleysville, Pennsylvania, the well-known antiquarian. Comprising most of the existing manuscripts, letters, and diaries relating to the Church of the Brethren, as well as rare works of foreign origin and valuable imprints from early Pennsylvania presses, the collection holds great attraction from time to time for visiting scholars. At the present time many individuals are making valuable contributions through the "Friends of the Juniata College Library" to the book, magazine and picture collections.

In 1929 the space in the Library for storing volumes was doubled when two tiers of steel stacks were installed. Above these stacks is the Pennsylvania Room where books, furniture, and museum pieces as source material for local history are stored. The room also provides an added reading room for the use of faculty and students. Files of old local newspapers are located on the mezzanine floor of the building.

A chemistry and physics departmental library, under the administration of the central library, is located in Science Hall, where the work of students in the laboratories is augmented by easy access to important scientific reference tools.

SCIENCE HALL (1916) contains lecture rooms and laboratories for the teaching of the natural sciences.

THE DEPARTMENT OF PHYSICS occupies most of the first floor. The large laboratory is well equipped, providing good facilities, and giving ample room for the general physics laboratory work. Rooms and equipment are also provided for advanced work in mechanics, heat, and electricity.

THE DEPARTMENT OF BIOLOGY laboratories and lecture room occupy the second floor. These consist of a large lecture room equipped with charts, table for plants, and projection apparatus; a large well-lighted general laboratory; a laboratory for comparative anatomy and embryology; a laboratory for botany, entomology, and biological science; an instructors' room; and a storeroom.

THE DEPARTMENT OF CHEMISTRY laboratories are located on the third floor and in the basement. Those for general, organic, advanced organic, qualitative, and biological chemistry on the third floor, as well as those for physical and quantitative analytical in the basement, are well-equipped to serve their purposes. There are two weighing rooms and a large central storeroom.

THE OLLER HOUSE is named in honor of the late Elder J. F. Oller and his wife, and was presented by the late Mrs. Sudie Rohrer, Miss Bessie Rohrer, and the late Mr. Joseph F. Oller, former president of the board of trustees. This residence is used as the home management house of the home economics department.

THE HEATING PLANT (1915) supplies steam heat to the main buildings on the campus.

THE MISSION HOUSE (1925) is a four-apartment dwelling house, erected in part by the Sunday Schools of the Church of the Brethren of Middle Pennsylvania. When not occupied by missionaries on furlough, the apartments are rented to members of the faculty or students.

THE CLOISTER (1928) is a residence for men consisting of two connected parts. It is a brick building, modeled after the German architecture of colonial Pennsylvania. One part is called the Alexander Mack House, the other the Christopher Saur House.

THE BRUMBAUGH-OLLER HOUSE (1930) is a duplex residence erected by the late President Martin G. Brumbaugh and the late Mr. Joseph J. Oller.

THE INFIRMARY (1932) provides facilities for the temporary hospitalization of students and the office and residence of the graduate nurses.

THE GEIGER HOUSE, a student and faculty residence, has been named in honor of the late Mrs. Mary S. Geiger, of Philadelphia, who endowed the first professorial chair at Juniata and was the first woman member of the Board of Trustees.

OLLER HALL (1940) has a seating capacity of almost 900, and provides a community focus for both college and town. A large stage with modern equipment, a three-manual pipe organ, the simple beauty of its decoration and its exceptionally fine acoustics make it one of the finest small auditoriums in this section of the state. It is used for chapel and vesper services as well as lectures and dramatic and music activities.

PULPIT ROCKS is a natural curiosity located along the old "Harrisburg, Huntingdon, and Pittsburgh turnpike road," three miles west of Huntingdon, donated by the late Mr. J. Murray Africa, son of the Honorable J. Simpson Africa. The latter, once historian of Huntingdon County, gives in his history the following description: "The elements have worn some of these (sandstone formations) into grotesque shapes, which from a fancied resemblance to that object are called Pulpit Rocks." The site of these rocks with an acre and a half of ground was presented to the College for preservation as a landmark.

THE FACULTY CLUB (1946) is the reconstructed residence of President Martin G. Brumbaugh. It contains a large lounge, a kitchen and guest room, in addition to apartments for five faculty women.

SHERWOOD LODGE (1946) is a temporary residence for 86 men provided by the Federal Public Housing Authority.

THE VILLAGE (1946) is a group of six buildings providing twenty apartments for married veterans, located north of Eighteenth Street between Moore and Mifflin Streets.

THE HOME ECONOMICS BUILDING (1947) contains the laboratories and offices of the Home Economics Department. The Nursery School and Art Laboratory adjoins Brumbaugh Hall.

I. HARVEY BRUMBAUGH HOUSE (1947), residence of a former president, now serves as an auxiliary building of the Carnegie Library. Reading lounges, browsing and listening rooms are on first floor; living accommodations for four faculty women are on second and third floors.

SWIGART MUSIC HALL (1950) is occupied by the Department of Music and provides offices, studios, practice rooms, and a recital hall for the use of that department. The acquisition of this building, located at the northern extremity of the campus, was made possible through the gift of the late W. Emmert Swigart, Class of 1906, in honor of whose family the building is named.

MEMORIAL PHYSICAL EDUCATION BUILDING (1951). Erected in honor of the approximately 700 Juniatians who were in national service during World War II, this building serves the physical education needs and the intercollegiate athletic program of the men students. It contains a memorial lobby, offices, four playing courts, and a number of special recreational rooms.

Student Expenses

STUDENT EXPENSES at Juniata College are maintained at a moderate level consistent with the quality of education which the College offers. In view of economic uncertainties the College reserves the right to make any reasonable alteration in charges.

TUITION

THE TUITION FEE for a normal program of courses (12-17 hours) is $225.00 a term. When permission is given to register for work in excess of the normal program, the rate is $15.00 for each additional credit-hour. For less than 12 hours of work, tuition is charged at the rate of $18.00 a credit-hour.

The tuition rate for the Summer Term is $15.00 a credit-hour.

LABORATORY FEES

IN COURSES requiring laboratory work the following fees are charged each term:

DIVISION I:	
Art 4 (Applied Art)	$5.00
English 35, 36, & 38 (Speech)	3.00
DIVISION II:	
Education 9 (Visual Education)	5.00
Education 19 & 37 (Educational Measurements)	3.00
Home Economics (all courses *except* 1, Home Economics Survey; 8, Fundamentals of Nutrition; 9, Advanced Nutrition; 10, Diet in Disease; 16, Institutional Management Seminar; 17, Clothing Selection; & 36, Home Nursing)	8.00
Psychology 13, 14 (Advanced Psychology)	3.00
DIVISION III:	
Biology (all courses *except* 6, Genetics & 12, Biological Science)	8.00
Chemistry (all courses)	10.00
Mathematics 13 (Surveying)	5.00
Physics (all courses *except* 14, Physical Science)	8.00

THE DEPARTMENT of Chemistry requires the purchase of a breakage ticket of $10.00 for certain apparatus which is loaned to the student. The deposit is refundable at the end of the course with deductions for broken apparatus.

PRIVATE INSTRUCTION IN MUSIC

PRIVATE INSTRUCTION in applied music (Voice, Piano, Organ, etc.) is offered at the following schedule of rates:

1. A student who is concentrating his work in the Music Department is entitled to two private lessons each week at a charge of $40.00 each term.
2. Private instruction in Music is available to students regularly enrolled in the College at the charge of $30.00 for one lesson each week for one term, or $45.00 for two lessons each week.
3. The instructors on the College staff are available to persons not regularly enrolled in the College at $2.00 per single lesson, $30.00 for one lesson each week for a term, or $50.00 for two lessons each week for a term.
4. Instrument rental ranges between $5.00 and $10.00 a term.

OTHER INSTRUCTIONAL FEES

English Conference. The fee for instruction in English Composition according to the plan outlined on page 43 is $10.00 a term.

Student Teaching. The fee for Student Teaching (Education 15) is $30.00. This fee is charged for the services of the cooperating school district.

Auditing. The fee for auditing a course is $5.00 a term. This fee is waived for students who are enrolled in a program of at least 12 credit-hours.

RESIDENCE CHARGES

Room. The room rent in all residence halls is $60.00 a term. In the Summer Term the rent is $30.00. The charge for a room is calculated on the basis of two occupants to a room. Students rooming alone (when it is possible to make that concession) are charged one and one-half times this rate. Upperclass students choose their rooms on the basis of seniority; freshmen are assigned rooms in the order in which their applications are received. Under present conditions some students may be assigned to rooms off campus at rates which vary with the accommodations provided. Arrangements are made only by the college.

Board. The charge for board in the college dining hall is $165.00 a term. In the Summer Term the charge is $90.00.

GENERAL STUDENT FEE

FOR RESIDENT students the General Student Fee is $25.00 a term. For non-resident students it is $30.00 a term.

This fee provides for the use of the library and the physical education facilities. It covers admission to athletic and social events and presentations in Oller Hall, and subscriptions to the *Juniatian* and the *Alfarata.*

There are certain medical services which are also provided by this fee. All students are entitled to a medical examination, the service of the college dispensary, and two visits to the office of the college physician. All students are insured against the expense of accidents up to $500.00. In addition, resident students are entitled to ten days' care in the college infirmary and services of the college physician, regular nursing care, and ordinary medicines.

For the non-resident student the General Student Fee includes locker rental, and represents a small share in the maintenance of the college plant.

There is a General Student Fee of $5.00 for all students in the Summer Term.

FEES FOR NEW STUDENTS

Application Fee. Upon making application for admission to Juniata College the prospective student should forward the Application Fee of $5.00. This fee, covering the cost of processing the student's application, is not refundable, and cannot be applied toward the payment of other charges.

Matriculation Fee. When a student has been accepted for admission, the Matriculation Fee becomes due. For all students this fee is $25.00, of which $10.00 is reserved as a Contingency Deposit and $15.00 is applied toward the expenses of the first term. The Matriculation Fee is not refundable after 60 days prior to the opening of the Fall Term in the case of those entering in September.

Contingency Deposit. Each student in attendance at Juniata College is required to make the Contingency Deposit of $10.00, which is included initially in the Matriculation Fee. This fee is refundable upon withdrawal, providing 60 days' notice is given in advance, upon completion of a previously arranged course of study, or at graduation, less any assessments for damage to college property, including the loss or mutilation of library books. When at the beginning of a given term, the balance in the Contingency Deposit falls below $5.00, the student is required to restore the deposit to its full amount.

OCCASIONAL FEES

Late Registration Fee. Students failing to register at designated times are charged a late registration fee of $5.00.

Graduation Fee. The graduation fee is $10.00 and covers the expenses incident to a student's graduation from the College.

Transcript Fee. Each student may receive one copy of his official transcript without charge. Thereafter a charge of $1.00 is made for each additional copy of the official transcript.

PAYMENT OF BILLS

CHARGES FOR tuition, room, board, and fees are due and payable at the beginning of each term. A student is ineligible to attend classes until a financial settlement has been made at the Treasurer's Office. A student cannot be granted honorable dismissal, a transcript of grades and credits, or a diploma until all college bills are paid in full.

REFUND POLICY

THE COLLEGE recognizes no claims to refund of charges due and payable at the beginning of a given term except in the event of protracted illness and in the case of withdrawal required by Selective Service. No refunds are made when a student is suspended or dismissed from college.

ESTIMATED EXPENSES

THE TOTAL cost of a college education at Juniata depends upon personal tastes and habits, which will vary with the individual student. The following estimate should be regarded as representing the minimum for a student in residence.

	Fall and Spring Terms	*Summer Term*
Tuition	$450.00	$180.00
Room and Board	450.00	120.00
General Student Fee	50.00	5.00
	$950.00	$305.00

To this estimated total would be added the costs of books, laboratory work, private instruction in music, and English Conference. Additional expenses for clothing, laundry, travel, and personal spending money are determined by the student.

Admission

PERSONS desiring to enter the College should make written application on official forms to be obtained from the Director of Admissions and returned as directed accompanied by the Application Fee of $5.00 (see p. 19).

An applicant is normally accepted on the basis of his record as a graduate from an approved secondary school, satisfactory evidence of aptitude for college work, and good character.

Fifteen units are considered equivalent to secondary school graduation, seven of which are required as follows:

English	3 units
Mathematics	2 units
Foreign language	2 units

It is recommended that the remaining eight units be elected from the following fields of study: foreign language, history and social science, natural science, and music.

As an alternative an applicant may offer for admission twelve units from a senior high school in addition to evidence that he has completed the work of a junior high school.

Before being admitted all prospective students are interviewed personally by the Director of Admissions or his assistant either on the campus or in the student's home community. In some cases problems of personality and social maladjustment are involved in an otherwise acceptable candidate. Where this is true other members of the admissions committee also interview the applicant. By this procedure an attempt is made to be fairly certain that no students come to Juniata who would not profit by their experience here or who would need the type of educational guidance which Juniata is not qualified to give.

ENTRANCE

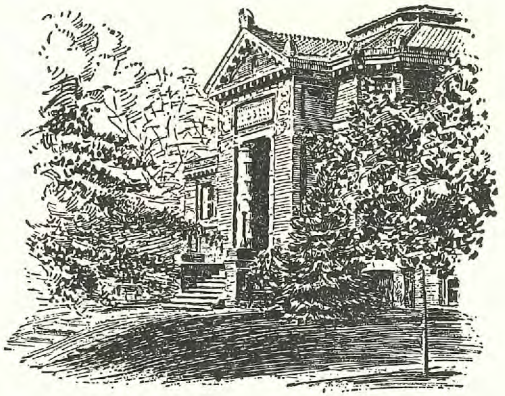
In order to accommodate men and women returning from the service of their country, the program of courses has been so arranged that students may begin their college studies at the opening of any one of the three terms. As a special aid to freshmen during their first days on the campus the College provides a program of tests, conferences, lectures, and social events.

ADVANCED STANDING

A student seeking admission to advanced standing should apply to the Director of Admissions. He should request the institution last attended to send to the Registrar a transcript of all work completed there and a letter of honorable dismissal.

Advanced standing credits will be awarded for work taken at accredited institutions, provided the grades earned are higher than the lowest passing grade and the work is equivalent or similar to courses offered at Juniata. Credit-hours accepted on transfer from another collegiate institution are assigned quantitative values only. Grades are not transferred; only credit in the courses is recorded.

Credits submitted for admission from a non-accredited institution may be evaluated on the basis of the student's work after one year at Juniata. In such cases the transcript of record may be accepted for admission on a provisional basis, to be validated by satisfactory work in residence.



The Academic Program

Degrees

JUNIATA COLLEGE confers the degrees Bachelor of Arts and Bachelor of Science. In recognition of high scholarship a degree may be conferred with honors: *summa cum laude, magna cum laude,* or *cum laude.*

A candidate is recommended for graduation by vote of the faculty. To be eligible for such recommendation he must satisfy the following requirements:

1. 120 credit-hours.

   Note—It will be observed from an examination of the Programs for Specialized Study (pp. 30-40) that the technical training involved in certain types of preparation makes it almost necessary to add courses beyond the 120 credit-hours required for the degree. But in no program do these extra courses bring the total of credit-hours above 130.

2. Quality points to equal the number of credit-hours at graduation (p. 28).
3. The work of the fourth year to be taken at this College.
4. A comprehensive examination at the end of the course in one of the three Divisions of Study (p. 25).

5. The completion of the following required courses:
   The Arts and Humanities
   The Nature of Society
   The Nature of Science
   The Mind
   Biblical History
   Ethics
6. Fulfillment of Divisional and program requirements (p. 25).
7. Certified competence in English composition and one foreign language (p. 26).
8. Certified completion of a program of physical education (p. 26).

Students admitted to advanced standing shall satisfy all requirements for graduation.

Curriculum

THE CURRICULUM of Juniata College is planned so that every student may secure (a) a command of certain technical skills; (b) a core of fundamental instruction that will aid him to integrate the experiences of the classroom with a scheme of living; (c) the diversity of interest and understanding necessary to a liberal education; and (d) a large margin of elective studies which will permit effective concentration in some one department of learning.

Attention is therefore called to the regulations contained in the following paragraphs.

Divisions of Study

THE DEPARTMENTS of instruction are grouped in three divisions:

I. *The Arts and Languages* (Art, Classical Languages, English, Modern Languages, Music)
II. *The Social Studies* (Biblical Studies, Economics and Business Administration, Education, History and Political Science, Home Economics, Library Science, Philosophy, Physical Education, Psychology, Sociology)
III. *The Natural Sciences* (Biology, Chemistry, Drawing, Mathematics, Physics)

(a) Every candidate for degree shall concentrate in one of these Divisions by taking not less than 40 credit-hours *beyond the work specified for the first year.*

(b) In his Division of concentration he shall complete, *beyond the work prescribed for the first year,* not less than 18 credit-hours in one department and not less than six credit-hours in a second department. (In the foreign language departments, 15 credit-hours beyond the competence standard will be considered adequate concentration.)

(c) Every candidate for degree shall be required to complete at least six credit-hours in addition to the work of the first year program in a second of the three Divisions. (Work toward the degree requirement of language competence is not considered as satisfying this regulation.)

(d) Each student shall take a comprehensive examination in one of the three Divisions at the end of his fourth year under the supervision of a committee of three faculty members. The comprehensive examination is a test of the student's broad and mature understanding of the significance and interrelationships of his knowledge rather than an extensive review of courses completed, credit for which has already been applied toward his degree. It is the culmination of the principle, begun in the Divisional introductions of the first year, of integrating courses of study into a wider understanding of their mutual relations.

(e) Students concentrating in Division I (The Arts and Languages) shall proceed to the degree Bachelor of Arts.

Students concentrating in Division II (The Social Studies) shall be eligible, depending on the nature of their work, for the degree Bachelor of Arts or Bachelor of Science.

Students concentrating in Division III (The Natural Sciences) shall be candidates for the degree Bachelor of Science.

Applied Studies

THE COLLEGE recognizes that certain applied studies carried on under faculty instruction and supervision have sufficient cultural and educational importance to justify awarding a limited amount of college credit.

No student will be permitted to offer more than *four* credit-hours in any single area of applied study, or more than a total of *six* in all. For students offering private instruction in music an exception will be made to meet the provisions stated on p. 51. They may then add a maximum of two hours in Applied Studies outside the field of music.

Credit-hours allowed in Applied Studies (excepting Private Instruction in Music) carry only one quality point for each hour.

Applied Music (see p. 51)

a. Private Instruction in Piano
b. Private Instruction in Voice
c. Private Instruction in Violin
d. Private Instruction in Pipe Organ
e. Private Instruction in Wind Instruments
f. Choir, Orchestra, and Band

Applied English (see p. 46)

a. Journalism
b. Dramatics
c. Debating

Applied Sociology (see p. 68)

Competence Requirements

THE COLLEGE aims wherever possible to lay emphasis upon achievement and to encourage initiative. For this reason it seems desirable to relieve students of the routine of classes and courses wherever they show a reasonable competence in certain subjects required for graduation.

(a) The foreign language requirement may be met either by completing the second year of college language, or by demonstrating the ability to read with a standard facility. Tests to determine this competence will be conducted at stated intervals. The announcements of the several foreign language departments, beginning on page 42, indicate the level of reading ability which is required in order to pass the competence test. Credit toward a degree will be granted for work in the regular language classes.

(b) The requirement in English composition must be met by the end of the second year. Instruction will be provided in conferences, but no credit will be allowed.

(c) The requirement in hygiene and physical education is of a general nature calculated to give essential information on the subject of good health and in addition to provide facilities whereby each student can acquire at least beginner's skill in a wide range of sports which may serve him in the way of recreation in later life.

During the first year every student will be required to take work in hygiene, and to spend time in supervised recreational activity. No academic credit is given for this work.

Every student is expected for the remainder of his college course to maintain a regular schedule of exercise and physical training under the direction of the Department of Physical Education.

Program Requirements

(a) The first-year program consists of the following courses:

Fall term—

(1) The Arts and Humanities
(2) The Nature of Society
(3) The Nature of Science
(4) The Mind
(5) A foreign language

Spring term—

(1) Introductory elective in Division I
(May be chosen from the following: Appreciation of Art (1), Introduction to Literature (3), and Music Appreciation (1).)

(2) Introductory elective in Division II
(May be chosen from the following: Principles of Economics (1), Ancient Civilization (2), History of Medieval Europe (4), Principles of Political Science (22), and Introduction to Sociology (1).)

(3) Introductory elective in Division III
(May be chosen from the following: Biological Science (12). Physical Science (14), and Fundamentals of Mathematics (3).)

(4) Biblical History
(5) Foreign language

(b) In the first term of the fourth year, Ethics (Philosophy 5) is required of all students.

(c) A normal program throughout the college course is considered to be five courses, usually totaling 15 to 17 credit-hours. However, to meet the needs of those students who wish to accelerate their college training, permission will be given to increase the normal load so long as the candidate maintains a satisfactory standard achievement determined by the faculty. Each of the two periods of the Summer Term permits a student to complete six credit-hours.

(d) A student is expected to meet the Competence requirements and the first-year program requirements before the end of the second year.

(e) A student in good standing carrying a program of at least twelve credit-hours may have the privilege of auditing any course without cost.

Grades and Quality Points

AT THE END of each term a final grade in each course is reported to the Office of the Registrar. Progress toward degree requirements is indicated quantitatively by the credit-hours which the completed course carries, and qualitatively by the quality points which accrue to a given grade.

A credit-hour is defined as one hour of classroom work, or the equivalent, each week during a full term of seventeen weeks. Three hours of laboratory work are rated as a credit-hour.

The quality point is a numerical measure of value, which is computed for a given course by multiplying the credit-hours by the number of quality points assigned to the reported grade.

A—indicates work of the highest excellence, showing a superior grasp of the content as well as independent and creative thinking in the subject. Each credit-hour completed with this grade counts *three* quality points.

B—signifies unusual achievement, wherein the student reveals exceptional insight and ability. Each credit-hour completed with this grade counts *two* quality points.

C—is given for satisfactory achievement on the college level. The work of the course has been conscientious and shows no considerable deficiency in either quality or quantity. For each credit-hour of this grade *one* quality point is granted.

D—indicates that the work of the course has for any reason been unsatisfactory but has been completed to the point where a failing grade is not warranted. There are no quality points allowed for credit-hours in this bracket.

F—failure. The work of the course must be repeated before any credit can be obtained.

Mid-term reports are issued as evidence of the progress which a student is making in his courses. The grades announced at this time are not made part of the student's permanent record. A plus or a minus may be attached to the mid-term grade.

In addition to the foregoing grade designations, the following irregular grades are used as occasion may demand:

I (Incomplete) means that the student has been allowed an extension of time, in no case later than six weeks after the beginning of the next term, in which to complete his course.

WX (Withdrawal before mid-term) is recorded when the student officially withdraws from class before the designated mid-term date.

WP (Withdrawal passing) or WF (Withdrawal failing) will be recorded when the student officially withdraws from a class after mid-term but before the final five-week period of the course. Neither is counted in computing the student's quality point average.

NOTE: Any student who withdraws in the last five weeks of a course preceding final examinations, receives an F (Failure), unless special action has been taken by the Dean of the College.

Unofficial withdrawals from all courses are recorded as F (Failure). Withdrawals from class are considered unofficial if the student fails to make satisfactory arrangements at the Office of the Registrar.

Standards of Scholarship

AS AN IDEAL of the academic experience the College holds before its students the virtue of achievement to the limit of one's powers. From time to time appropriate recognition is given to those whose performance as students is outstanding. At the end of each term the Dean of the College announces the Dean's List of Distinguished Students, which consists of the names of all those students who in that term achieved a quality point average of at least 2.75.

Membership in the Honor Society is by election on the basis of outstanding academic achievement. Seniors constitute the larger portion of the membership, although each year a few juniors may be elected.

The College is anxious to make education a profitable undertaking for each of its students, and therefore frequent study is made of each student's progress. Appropriate action may be taken at the end of any term when satisfactory achievement is not apparent. The end of the second year is considered to be an especially critical point, in view of the increasing specialization and difficulty of the last two years. If there is little promise of success in further study, the College will notify the student of this fact and advise his withdrawal.

Programs for Specialized Study

JUNIATA COLLEGE is anxious to aid her students in preparing for a variety of careers. While there is a growing belief in the professional schools that the best preliminary training is a general education, Juniata College is nevertheless equipped to add to that general education a large group of more specialized courses so that any student looking forward to a particular career may break ground during his four years here.

In a few cases (*) the training involved in a special field is so technical that a student should consider the complete program as practically required for that type of preparation. In most cases, however, the programs of study are designed merely to suggest a balanced course of study toward a particular goal.

It is suggested that students consult at the earliest possible date with the faculty adviser named in the program of their choice. Where no faculty adviser is named, the student may consult with Dean of the College.

UNIVERSITY GRADUATE STUDY

A reading knowledge of French and German.

A good foundation of courses in the chosen field. Students contemplating graduate study should consult department heads.

APPLIED ECONOMICS

IN ADDITION to the better known professions of accountant, statistician, business analyst, and economist, there are a number of career opportunities which require varied combinations of preparation in economics and technics of business administration with the other social sciences or the natural sciences. The following courses of study provide a foundation for some of these professional pursuits.

Actuarial Work

ENGLISH—History of English Literature (5), Fundamentals of Speech (35), Advanced Composition (41, 42)

ECONOMICS—Principles of Economics (1, 2), Economic Statistics (7), Money and Fiscal Policy (9, 10), Business Cycles (15), Business Management (20), Business Finance (23, 24), Introduction to Business Law (25), Principles of Accounting (31, 32), Advanced Accounting (33)

SOCIOLOGY—Introduction to Sociology (1)

MATHEMATICS—Mathematical Analysis I, II (1, 2), Calculus (5, 6), Differential Equations (7), Advanced Differential Equations (8), Advanced Calculus (9), Theory of Equations (10)

PHYSICS—General Physics (1, 2)

Business Administration in Commerce or Finance

ENGLISH—Fundamentals of Speech (35)

ECONOMICS—Principles of Economics (1, 2), Economic Statistics (7), Business Management (20), Introduction to Business Law (25), Problems of Labor (27), Principles of Accounting (31, 32), Tax Accounting (34), plus six hours of electives.

HISTORY AND POLITICAL SCIENCE—American Government (25)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1)

MATHEMATICS—Mathematical Analysis I (1)

Additional electives in the social studies

Business Administration in Technical Industries

ENGLISH—Fundamentals of Speech (35)

ECONOMICS—Principles of Economics (1, 2), Business Cycles (15), Business Management (20), Business Finance (23, 24), Introduction to Business Law (25), Problems of Labor (27), Principles of Accounting (31, 32)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1)

CHEMISTRY—General Chemistry (1, 2), Organic Chemistry (11, 12), Industrial Chemistry Seminar (30)

MATHEMATICS—Calculus (5, 6), Introductory Statistics (14)

PHYSICS—General Physics (1, 2)

Merchandising

ENGLISH—Fundamentals of Speech (35)

ECONOMICS—Principles of Economics (1, 2), Economics of Consumption (3), Business Cycles (15), Marketing (21), Introduction to Business Law (25), Problems of Labor (27), Principles of Accounting (31, 32), Tax Accounting (34), plus six hours of electives.

HISTORY AND POLITICAL SCIENCE—American Government (25)

HOME ECONOMICS—General Foods (13), Clothing Selection (17), Textiles (18), Design and Color (27), House Planning and Decoration (30)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1)

CHEMISTRY—General Chemistry (1, 2) or (3, 4)

MATHEMATICS—Mathematical Analysis I (1)

*RESEARCH OR INDUSTRIAL CHEMISTRY

ADVISER: Professor Rockwell

GERMAN—A reading knowledge

ECONOMICS—Principles of Economics (1, 2)

CHEMISTRY—General Chemistry (1, 2), Qualitative Analysis (7), Quantitative Analysis (8, 9), Organic Chemistry (11, 12), Physical Chemistry (17, 18), Advanced Organic Chemistry (21-22), Advanced Physical Chemistry (25-26), Organic Analysis (28)

MATHEMATICS—Mathematical Analysis, I, II (1, 2), Calculus (5, 6), Differential Equations (7)

PHYSICS—General Physics (1, 2), Atomic Physics (5, 6)

CHURCH LEADERSHIP

ADVISER: Professor Henry

UPON COMPLETION of the following program a student may receive from the Christian Education Commission of the General Brotherhood Board of the Church of the Brethren the College Level Leadership Training Certificate.

Required courses:

BIBLICAL STUDIES—Six hours beyond Biblical History (2), including Principles of Christian Education (15)

EDUCATION—Educational Psychology (3), Visual Education (9)

Elective courses (six hours):

BIBLICAL STUDIES—The Christian Faith (7), Church History (9, 10), History of Religion (14)

PHILOSOPHY—Philosophy of Religion (7)

PSYCHOLOGY—Child Psychology (4)

Experience:

One year's experience in church school work under the supervision of capable leadership is required while the student is in college.

COMMERCIAL FOODS AND INSTITUTIONAL MANAGEMENT

ADVISER: Professor Butler

ECONOMICS—Principles of Economics (1), Economics of Consumption (3)

EDUCATION—Elective (3 hours)

ENGLISH—Fundamentals of Speech (35)

HISTORY AND POLITICAL SCIENCE—Elective (6 hours)

HOME ECONOMICS—Foods (3, 4, 5, 6), Nutrition (8, 9, 10), Institutional Administration (11, 12), Food Demonstration (14), Design and Color (27), Home Management House (33), Child Development (35), Home Nursing (36)

SOCIOLOGY—The Family (25)

BIOLOGY—General Biology (1, 2), General Physiology (5), Bacteriology (10)

CHEMISTRY—General Chemistry (3, 4), Organic and Food Chemistry (13)

PHYSICS—Household Physics (17)

* DENTISTRY

ADVISER: Professor Will

THE FOLLOWING courses constitute the basic requirement for entrance to recognized dental schools.

ENGLISH—Literature (at least 6 hours)

ECONOMICS—Principles of Economics (1, 2)

SOCIOLOGY—Introduction to Sociology (1)

BIOLOGY—General Biology (1, 2)

CHEMISTRY—General Chemistry (1, 2), Organic Chemistry (11, 12)

MATHEMATICS—Mathematical Analysis I (1)

PHYSICS—General Physics (1, 2)

DIETETICS

ADVISER: Professor Butler

ECONOMICS—Principles of Economics (1), Economics of Consumption (3)

EDUCATION—Elective (3 hours)

HOME ECONOMICS—Foods (3, 4, 5, 6), Nutrition (8, 9, 10), Institutional Administration (11, 12), Design and Color (27), Home Management House (33), Child Development (35), Home Nursing (36)

SOCIOLOGY—Introduction to Sociology (1), The Family (25)

BIOLOGY—General Biology (1, 2), General Physiology (5), Bacteriology (10)

CHEMISTRY—General Chemistry (1, 2), Quantative Analysis (8), Organic Chemistry (11, 12), Biochemistry (19-20)

PHYSICS—Household Physics (17)

DIPLOMATIC AND CONSULAR SERVICE

ADVISER: Professor Crosby

ENGLISH—Literature (9 hours), Fundamentals of Speech (35)

FRENCH—Speaking knowledge

GERMAN—Speaking knowledge

SPANISH—Speaking knowledge

ECONOMICS—Principles of Economics (1, 2), Economic Development of the United States (6), Economic Development of Europe (5), International Economics (16)

HISTORY AND POLITICAL SCIENCE—History of Modern Europe (5, 6), Current History (13), American History (15, 16), Principles of Political Science (22), American Government (25), International Relations (26)

* ENGINEERING

ADVISER: Professor Davis

JUNIATA COLLEGE participates with the Carnegie Institute of Technology and the School of Engineering, Columbia University, in a cooperative plan for the training of engineers. The student spends three years at Juniata, after which he transfers to the technical school for the last two years of the program. Upon

completion of the five years of work, the student receives degrees from both institutions.

The suggested program which follows pertains to those who may continue in chemical engineering. Students in other areas of engineering will follow a comparable program.

ENGLISH—Introduction to Literature (3), American Literature (7)

ECONOMICS—Principles of Economics (1, 2)

HISTORY AND POLITICAL SCIENCE—American History (15 or 16)

PSYCHOLOGY—Psychology of Adjustment (10)

CHEMISTRY—General Chemistry(1, 2), Qualitative Analysis (7), Quantitative Analysis (8)

DRAWING—Mechanical Drawing (1)

MATHEMATICS—Mathematical Analysis I, II (1, 2), Calculus (5, 6), Differential Equations (7)

PHYSICS—General Physics (1, 2), Mechanics (9), Heat and Thermodynamics (10)

* FORESTRY

ADVISER: Professor Will

JUNIATA COLLEGE has completed cooperative arrangements with the School of Forestry, Duke University, whereby a student may take three years at Juniata College and two years at Duke University. Upon the successful completion of this program the student will receive two degrees: a bachelor's degree from Juniata and the degree of Master of Forestry from Duke.

ENGLISH—Introduction to Literature (3)

ECONOMICS—Principles of Economics (1, 2)

HISTORY AND POLITICAL SCIENCE—Principles of Political Science (22)

PHILOSOPHY—Logic (2)

SOCIOLOGY—Introduction to Sociology (1)

BIOLOGY—General Biology (1, 2), Genetics (6), Botany (9)

CHEMISTRY—General Chemistry (1, 2), Organic Chemistry (11, 12)

DRAWING—Mechanical Drawing (1)

MATHEMATICS—Mathematical Analysis I, II (1, 2), Calculus (5, 6)

PHYSICS—General Physics (1, 2)

HOME-MAKING

ADVISER: Professor Butler

THE DEPARTMENT of Home Economics offers opportunity to any student who desires to gain a moderate amount of knowledge in the household arts. Special attention is called to the following courses:

HOME ECONOMICS—Foods (3, 4), Fundamentals of Nutrition (8), Clothing Selection (17), Textiles (18), Fundamentals of Clothing (20), Design and Color (27), House Planning and Decoration (30), Home Management House (33), Child Development (35), Home Nursing (36)

SOCIOLOGY—The Family (25)

JOURNALISM

ADVISER: Mr. Engel

COLLEGE TRAINING towards journalism is best achieved in acquiring a general knowledge of the various elements of our contemporary civilization. Intensive training in special kinds of writing can well be deferred.

ART—Appreciation of Art (1)

ENGLISH—Advanced Composition (41, 42), Literature (12 hours)

MUSIC—Music Appreciation (1), History of Music (3, 4)

ECONOMICS—Principles of Economics (1, 2)

HISTORY AND POLITICAL SCIENCE—History of Modern Europe (5, 6), American History (15, 16), Principles of Political Science (22), International Relations (26)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1)

LAW

ADVISER: Professor Crosby

ENGLISH—Literature (6 hours), Fundamentals of Speech (35)

LATIN—Cicero (3)

ECONOMICS—Principles of Economics (1, 2), Business Management (20), Business Finance (23, 24), Principles of Accounting (31, 32)

HISTORY AND POLITICAL SCIENCE—History of Modern Europe (5, 6), American History (15, 16), American Constitutional History (19), Principles of Political Science (22), American Government (25), International Relations (26), English History (7)

PHILOSOPHY—Introduction to Philosophy (1), Logic (2)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1)

MATHEMATICS—Fundamentals of Mathematics (3)

LIBRARY SCIENCE

ADVISER: MRS. HETTINGER

ENGLISH—Literature (12 hours)

FOREIGN LANGUAGE—A reading knowledge of German and French; Literature

EDUCATION—Children's Literature and Story Telling (28)

HISTORY—History of Modern Europe (5, 6), Current History (13), American History (15, 16)

LIBRARY SCIENCE—Introduction to Library Science (1)

* MEDICAL TECHNOLOGY

ADVISER: Assistant Professor Bartha

IN ORDER to qualify for admission to a School of Medical Technology approved by the Council on Medical Education and Hospitals of the American

Medical Association, a student must present 60 hours of college work, including the courses specified below. However, a student completing *three* years at Juniata may receive credit for the fourth year and qualify for a degree upon satisfactory completion of the course in medical technology in an approved school.

Required:

BIOLOGY—General Biology (1, 2) and one of the following: Comparative Anatomy (3, 4), Bacteriology (10), Parasitology (13), Histology (14), or Vertebrate Embryology (16)

CHEMISTRY—General Chemistry (1, 2), Quantitative Analysis (8)

Recommended:

MATHEMATICS—Mathematical Analysis I, II (1, 2)

PHYSICS—General Physics (1, 2)

*MEDICINE

ADVISER: Professor Will

GERMAN—A reading knowledge

PSYCHOLOGY—Psychology of Personality (10), Abnormal Psychology (12)

SOCIOLOGY—Introduction to Sociology (1)

ECONOMICS—Principles of Economics (1, 2)

BIOLOGY—General Biology (1, 2), Comparative Anatomy (3, 4), General Physiology (5), Genetics (6), Histology (14), Vertebrate Embryology (16)

CHEMISTRY—General Chemistry (1, 2), Qualitative Analysis (7), Quantitative Analysis (8), Organic Chemistry (11, 12), Biochemistry (19-20), Pre-Medical Physical Chemistry (27)

MATHEMATICS—Mathematical Analysis I, II (1, 2)

PHYSICS—General Physics (1, 2)

MINISTRY

ADVISER: Assistant Professor Glick

ART—Appreciation of Art (1)

ENGLISH—Literature (9 hours), Fundamentals of Speech (35)

GREEK—Elementary Greek (1-2), New Testament Greek (3, 4)

MUSIC—Music Appreciation (1)

BIBLICAL STUDIES—The Prophets (3), The Apostolic Age (6), The Christian Faith (7)

ECONOMICS—Principles of Economics (1)

HISTORY AND POLITICAL SCIENCE—History of Modern Europe (5, 6)

PHILOSOPHY—Introduction to Philosophy (1), Logic (2), Ancient and Mediaeval Philosophy (3), Modern Philosophy (4)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1), The Family (25)

MUSIC

ADVISER: Professor Johnson

FOR THE student who is interested in music outside the field of teaching, a number of courses are offered in the Department of Music which will provide a theoretical and practical foundation for further study. The following provides a balanced course of study.

ART—Appreciation of Art (1)

ENGLISH—Literature (12 hours)

FOREIGN LANGUAGE—Advanced work in one foreign language

MUSIC—Music Appreciation (1), History of Music (3, 4), Sight Singing and Dictation (5, 6, 11), Harmony (15, 16, 17)

PSYCHOLOGY—Psychology of Adjustment (10)

The College will allow as many as 6 credit-hours in Applied Music to be counted towards a degree. Credit above this 6 hour total may be allowed to students who have taken theory courses, one extra credit-hour being allowed for every two credit-hours in courses in theory.

* NURSING

ADVISER: Assistant Professor Hartzler

A TWO-YEAR program of pre-professional studies in nursing is provided by Juniata College. The program of courses suggested below meets the admissions requirement of the following Schools of Nursing, with which Juniata has a working relationship: Department of Nursing of the College of Physicians and Surgeons, Columbia University; the School of Nursing of the University of Pittsburgh; and the Frances Payne Bolton School of Nursing of Western Reserve University. The Bachelor of Science Degree in Nursing may be obtained from the School of Nursing after three years of study following the two years (60 credit-hours) at Juniata.

ENGLISH—Literature (6 hours), Fundamentals of Speech (35)

EDUCATION—Educational Psychology (3)

HISTORY—American History (15, 16)

SOCIOLOGY—Six hours

BIOLOGY—General Biology (1, 2)

CHEMISTRY—General Chemistry (3, 4)

COMPETENCE in English and physical education

PERSONNEL ADMINISTRATION

ENGLISH—Introduction to Literature (3), Fundamentals of Speech (35), Advanced Composition (41, 42)

ECONOMICS—Principles of Economics (1, 2), Principles of Accounting (31, 32), Marketing (21), Economic Statistics (7), Economic Development of the United States (6), Problems of Labor (27), Introduction to Business Law (25), Business Management (20)

HISTORY AND POLITICAL SCIENCE—American Government (25), State and Local Government (24)

PSYCHOLOGY—Psychology of Adjustment (10), Abnormal Psychology (12), Advanced Psychology (13, 14)

SOCIOLOGY—Introduction to Sociology (1), Social Problems (2)

EDUCATION—Introduction to Education (1), Educational Measurements (19)

PHILOSOPHY—Introduction to Philosophy (1), Logic (2)

MATHEMATICS—Mathematical Analysis I (1)

PSYCHOLOGY

ADVISER: Mr. Kimbrough

ENGLISH—Literature (6 hours)

ECONOMICS—Principles of Economics (1, 2), Economic Statistics (7)

EDUCATION—Educational Psychology (3)

HISTORY AND POLITICAL SCIENCE—Elective in History (6 to 12 hours)

PHILOSOPHY—Introduction to Philosophy (1)

SOCIOLOGY—Introduction to Sociology (1), Social Problems (2), Criminology (6), Cultural Anthropology (7)

PSYCHOLOGY—a minimum of 18 hours

BIOLOGY—General Biology (1, 2), General Physiology (5)

CHEMISTRY—General Chemistry (1, 2)

MATHEMATICS—Mathematical Analysis I (1), Introductory Statistics (14)

PHYSICS—General Physics (1, 2)

SOCIAL SERVICE

ADVISER: Professor Henry

ENGLISH—Literature (6 hours)

ECONOMICS—Principles of Economics (1, 2)

HISTORY AND POLITICAL SCIENCE—History of Modern Europe (5, 6) or American History (15, 16), Principles of Political Science (22)

PSYCHOLOGY—Psychology of Adjustment (10)

SOCIOLOGY—Introduction to Sociology (1), Social Problems (2), Cultural Anthropology (7), Advanced Social Theory (4), The Family (25), Criminology (6), Principles of Social Work (8)

BIOLOGY—General Biology (1, 2)

TEACHING

JUNIATA COLLEGE is certified by the Department of Public Instruction of the Commonwealth of Pennsylvania for the preparation of teachers in the following fields:

Secondary School
Elementary School
Vocational Home Economics
Public School Music Teaching and Supervising

It is also possible for students to meet during their college course the requirements of other states in these fields.

In order to be certified it is necessary for the student to make application to the Department of Public Instruction. The application is made through the Office of the Registrar.

Secondary School

ADVISER: Professor Kiracofe

TO QUALIFY for the Provisional College Certificate in the secondary field a student should take the following courses:

EDUCATION—Introduction to Education (1), Educational Psychology (3), Student Teaching (15), Principles of Secondary Education (17), Principles and Techniques of Teaching (18). Electives in Education may be found listed in the Department announcement.

ENGLISH—Nine hours including Fundamentals of Speech (35)

HISTORY AND POLITICAL SCIENCE—American History (15, 16)

The holder of this certificate will be certified to teach subjects in which he has completed not fewer than 18 credit-hours.

* *Elementary School*

ADVISER: Assistant Professor Schlegel

STUDENTS WHO wish to qualify for the Provisional College Certificate for teaching in the elementary schools are expected to meet the following requirements:

ART—Appreciation of Art (1), Applied Art (4)

ENGLISH—English Literature (6 hours), Fundamentals of Speech (35)

MUSIC—Music Appreciation (1)

ECONOMICS—Principles of Economics (1)

EDUCATION—Introduction to Education (1), History of Education (2), Educational Psychology (3), Student Teaching (15), Curriculum in Science (27), Children's Literature and Story Telling (28), Correction of Speech Defects in Elementary School Children (29), Teaching of Health (31), Curriculum in Arithmetic (32), Geography (33), Teaching of Reading (34), Curriculum Materials and Methods of Elementary Teaching (36), Educational Measurements (37), Teaching of English and Handwriting (38), Elementary Public School Music (49)

HISTORY AND POLITICAL SCIENCE—American History (15, 16), American Government (25)

PSYCHOLOGY—Child Psychology (4)

SOCIOLOGY—Introduction to Sociology (1)

BIOLOGY—Biological Science (12)

PHYSICS—Physical Science (14)

* *Vocational Home Economics*

ADVISER: Professor Butler

A STUDENT who desires to be certified in this field is required to include the following courses in her program:

ECONOMICS—Principles of Economics (1), Economics of Consumption (3)

EDUCATION—Introduction to Education (1), Educational Psychology (3), Student Teaching (15), Home Economics Education (41, 42)

HISTORY AND POLITICAL SCIENCE—American History (15, 16)

HOME ECONOMICS—Foods (3, 4, 5, 6), Fundamentals of Nutrition (8), Clothing (17, 20, 21, 22), Textiles (18), Design and Color (27), Advanced and Applied Design (29), House Planning and Decoration (30), Home Management House (33), Child Development (35), Home Nursing (36)

SOCIOLOGY—The Family (25)

BIOLOGY—General Biology (1, 2), Bacteriology (10)

CHEMISTRY—General Chemistry (3, 4), Organic and Food Chemistry (13)

** Teaching and Supervising of Public School Music*

ADVISER: Professor Johnson

A STUDENT who desires to be certified in this field is required to include the following courses in his program:

ENGLISH—Literature (6 hours), Fundamentals of Speech (35)

MUSIC—History of Music (3, 4), Sight Singing and Dictation (5, 6, 11), Harmony (15, 16, 17), Form and Analysis (20), Counterpoint (23), Elements of Conducting (24), Choral Conducting (25), Instrumental Conducting (26), Orchestration (27), String Class (28), Wood Wind Instrument Class (31), Brass Wind Instrument Classs (32)

EDUCATION—Introduction to Education (1), Educational Psychology (3), Student Teaching (15), Educational Measurements (19), Materials and Methods (45, 46)

HISTORY AND POLITICAL SCIENCE—American History (15, 16)

A student following the course of study outlined for teachers and supervisors of public school music will be required:

1. To attain "competence" in either voice or piano (Grade III) before he may enter the third year of this program and in both before he may enter the fourth year.
2. To complete before graduation at least two grades beyond competence in voice or an instrument. (Violin after the first year and pipe organ at any level will satisfy this requirement.) Performance in a student recital is a requirement for credit in each grade. Students in this field are expected to continue private instruction in music throughout their college career.
3. To play in the College orchestra or band and to sing in the college choir or the chapel choir for at least one year. To students in this field the College will allow as many as six credit-hours in ensemble, providing not more than four are obtained in either an instrumental or a vocal ensemble.

Courses of Instruction

THE NUMBER following the title of each course indicates the number of credit-hours which the course allows toward graduation. The number preceding each course is the course number and is provided for the sake of convenience. A single number indicates that the course is a term course; a double number indicates that the course extends through the academic year. When a double number is joined by a hyphen, the work of the entire year must be taken in order to receive any credit.

HONORS COURSE

SENIORS WHO have demonstrated their ability to do superior work in any department may enroll for an honors course in that department. An Honors Course, which is directed by a member of the faculty in frequent conferences, provides for somewhat independent study or research beyond the scope of listed courses. Admission to Honors Courses is granted by the Curriculum Committee upon application of the student and on recommendation of the faculty member who will direct the study. No student may take more than one Honors Course nor receive more than three or four hours of credit in any one term.

Division I — The Arts and Languages

PROFESSOR BINKLEY, *Chairman*

THE ARTS AND HUMANITIES (3)

An account of man's effort to explain and express himself in terms of the arts. Planned to give students at the beginning of their higher education some understanding of the fundamental human appeal which literature, music, and the fine arts have always held. Explains and illustrates the elements common to all the arts, such as organic form, pattern, design, rhythm, and other aesthetic values. Treats briefly the distinctive province of each art, including a beginner's acquaintance with the chief forms, media, and tools, so as to give a sense of historical development.

Consists of lectures, illustrated wherever possible by slides, plates, and recordings. Collateral reading and reports. *Required in the first year (see page 27).*

ART

PROFESSOR MCCRIMMON

MR. PEARCE

1. APPRECIATION OF ART (3)

Concerned with the appreciation of art and the understanding of the great art movements of the world: Egyptian, Greek, Renaissance, Baroque, and Modern. Emphasis is placed upon the deeper interpretations of these movements and the outstanding artists. Lectures are frequently illustrated. *Available as an introductory elective in Division I (see page 27).*

4. Applied Art (3)

Intended to give experience in working with various media such as papier maché, cardboard, wood, clay, and tempera. Designed to help the prospective teacher to apply the fundamental principles and techniques of art to the needs of children in the elementary grades.

Laboratory Fee, $5.00.

CLASSICAL LANGUAGES

Miss Benjamin

GREEK

1-2. Elementary Greek (6)*

Essentials of Greek grammar; reading of selections from Greek Literature.

3, 4. New Testament Greek (3, 3)

Review of grammatical forms and syntax. A careful study of one of the *Gospels* is made, followed by selections from the *Epistles.*

5, 6. Classical Greek (3, 3)

Review of the grammar is followed by the reading of Plato's *Apology* and selected plays of Euripides and Sophocles.

Offered on sufficient demand.

LATIN

For those who consider themselves sufficiently prepared and who wish to fulfill the language requirement in the field of Latin, a test to determine competency will be given upon request. The candidate will be asked to translate texts from the easier parts of Cicero and Virgil and from other authors of similar difficulty such as Caesar, Sallust, Nepos, or Ovid.

1-2. Elementary Latin (6)*

Essentials of Latin grammar; reading of selections from the *Vulgate,* Harrington's *Medieval Latin,* and *Caesar's Gallic Wars;* study of Roman civilization. Equivalent to two years of Latin in the secondary school.

3. Cicero (3)

Selections from the *Orations* and the *Letters* with parallel reading from Sallust's *Catiline;* study of the political history of the period.

4. Virgil's Aeneid (3)

Reading of selections from Books I-VI, VIII; study of the epic as a literary type; comparison with Homer's *Iliad* and *Odyssey.*

5, 6. Types of Latin Literature (3, 3)

Origin and growth of the major types of Latin literature through the reading of illustrative selections. Content is changed with alternate offerings.

Offered in alternate years.

**CREDIT of three hours for the first term allowable after competence has been attained in another foreign language.*

7, 8. Advanced Readings in Latin Literature (3, 3)

First term: Roman poetry, and further reading in Lucretius, Horace, and the elegiac poets. Second term: Latin prose, the historians, and prose satire. Content is changed with alternate offerings.

Offered in alternate years.

COLLATERAL COURSE:

Ancient Civilization (see History 2)

ENGLISH

Professor Binkley

Assistant Professors Dubbel and Doyle

Mr. Engel

Students intending to make English their chief study, or wishing to be recommended by the department for teaching that subject, should choose as a minimum foundation at least six courses from the Literature group, including 3, 5, 9, 10.

COMPOSITION

Training in English composition is provided by means of frequent written reports in practically all the introductory courses in the various departments of study. On entering, each student is assigned to a member of the faculty for regular conference and guidance, and is required to work under his supervision until he can demonstrate a reasonable facility in written and oral English. He shall then be certified as having met the competence requirement (p. 26). The college charges a fee of $10.00 for this instruction each term until competence is certified.

Students must attain competence before proceeding to their third year of college work.

1. Fundamentals of English (0)

Non-credit course meeting three hours a week for the benefit of students who enter with a marked deficiency in basic English.

41, 42. Advanced Composition (3, 3)

Instruction and practice in the more highly specialized types of English composition. First term will concentrate on "creative" writing, giving due scope to the preference and talent of the individual student. Second term provides for the study and practice of modern newspaper writing.

Prerequisite, Competence in English.

Offered on sufficient demand.

LITERATURE

3. Introduction to Literature (3)

Seeks to analyze the various forms and types of great literature, using selected composition by English and American authors. Special attention is given to discovering the aesthetic qualities in literature and to developing standards of literary appreciation. *Available as an introductory elective in Division I (see page 27).*

5. History of English Literature (3)

Review of the chief authors and movements in English literature, with special reference to their political and social background. Each period is illustrated by typical selections chosen from the most significant authors.

7. American Literature (3)

Survey of American literature from its beginning to the present, with emphasis on major movements and figures.

9. The English Language (3)

Growth and structure of the English language, including a study of historical English grammar. Followed by an examination of the origin, development, and modern tendencies of English words, of the origin of standard English, dialect, American English, and British English.

Prerequisite, English 5.

10. Shakespeare (3)

A careful study of the chief plays.

Prerequisite, English 3 or 5.

11. Early English Literature (3)

Formative influences upon English literature in the fourteenth and sixteenth centuries, with special attention to the poetry of Chaucer and Spenser.

Offered in alternate years.

14. Seventeenth Century Literature (3)

Non-dramatic literature of the seventeenth century, beginning with the essays of Francis Bacon and continuing through the works of Milton and Dryden.

Prerequisite, English 3.

Offered in alternate years.

18. Eighteenth Century Literature (3)

Present-day value in eighteenth century standards of literature. Most of the required reading will be in the work of Defoe, Swift, Addison, Fielding, the major poets of the century, and the eminent letter-writers.

Prerequisite, English 3 or 5.

Offered in alternate years.

19. The Romantic Movement (3)

Poetry and the critical ideas of Wordsworth, Coleridge, Byron, Shelley, and Keats.

Prerequisite, English 3.

Offered in alternate years.

20. The Victorian Age (3)

Careful study of the poetry of Tennyson and Browning and their contemporaries.

Prerequisite, English 3.

Offered in alternate years.

23. Epic Poetry (3)

Various types of epic poetry in general, which includes a reading, in translation, of the *Iliad, Aeneid, Divine Comedy,* and Goethe's *Faust,* Part I.

Prerequisite, English 3.

Offered in alternate years.

26. History of the English Drama (3)

Evolution of modern drama, with extensive reading of plays.

Prerequisite, English 3 or 5.

Offered in alternate years.

28. Literary Criticism (3)

Examination of the essentials of literature and of the fundamental principles upon which all sound critical judgments are grounded. Followed by a study of the critical writings of the great literary critics of the past, culminating in a consideration of the tendencies of present-day literary criticism.

Prerequisite, English 3, 5.

Offered on sufficient demand.

30. The English Novel (3)

Extensive reading in the main English novelists from Defoe to the present. Class work will consider the history, technique, and critical appreciation of the form.

Offered in alternate years.

33. Contemporary Literature (3)

An examination of trends and forms in literature, English and American, since 1914.

Prerequisite, English 3.

Offered on sufficient demand.

SPEECH

35. Fundamentals of Speech (3)

Speech as it relates to personality and to everyday use. Study of the elements of effective speech, including tone production, diction, and emphasis. Analysis of speech situations, forms and types of speeches. Four hours of class and practice each week.

Laboratory Fee, $3.00.

36. Advanced Speech (3)

Advanced study of the techniques of speech composition and presentation; literary interpretation; debate procedures and parliamentary law. Four hours of class, laboratory, and practice each week.

Prerequisite, English 35.

Laboratory Fee, $3.00.

38. Play Production (3)

Fundamental principles and processes of play production, including brief study of the theatre as an art, directing, scene design, stage lighting, technical production, costume design, and theatre management. Each student will make a practical analysis of production methods for a particular play. Four hours of class and practice each week.

Laboratory Fee, $3.00.

COLLATERAL COURSES:

APPRECIATION OF ART (see Art 1)

MUSIC APPRECIATION (see Music 1)

ENGLISH HISTORY (see History 7)

APPLIED ENGLISH

DRAMATICS

Credit of one hour each term with one quality point may be earned by students who have made a significant contribution to the production of college plays.

JOURNALISM

The editor and first assistant editor of the *Juniatian* and the *Alfarata,* the chief campus publications, may earn one hour of credit each term with one quality point for superior work in these offices.

DEBATING

Students participating in the regular program of intercollegiate debating may earn one hour of credit each term with one quality point upon the recommendation of the Director of Debating.

MODERN LANGUAGES

PROFESSORS MCCRIMMON AND CLEMENS

ASSISTANT PROFESSORS OLLER AND TAUSCH

MISS JOYCE A. THOMAS

FRENCH

Competence in French is considered ability to read texts of intermediate difficulty, such as those of Maupassant, Loti, Daudet, and Anatole France. This standard is normally developed by the end of French 3, 4. For those who feel that they have acquired competence otherwise, standard tests will be given at certain periods during the year.

1-2. ELEMENTARY FRENCH (6)*

Equivalent to two years of French in the secondary school. Principles of grammar, phonetics, composition, conversation, and reading. The initial approach is largely oral but a foundation is laid for reading with appreciation and comprehension. Three hours of class and one hour of pronunciation drill each week.

3, 4. SECOND YEAR FRENCH (3, 3)

Grammar review, phonetics, and intensive reading of unsimplified French masterpieces. Practice in oral reading and comprehension. Texts as: Célières-Palamountain, *Refreshing Your French;* Dondo, *Pathelin et autres piecès;* Célières, *Variétés;* Anatole France, *Le Livre de mon ami.*

5. GENERAL READING COURSE (3)

Designed to develop speed comprehension, and appreciation. Reading of masterpieces of French literature of all types and periods.

CREDIT of three hours for the first term allowable after competence has been attained in another foreign language.

6. EARLY FRENCH LITERATURE (3)

Survey of French literature from the earliest times to the end of the renaissance. Texts as: *La Chanson de Roland; Tristan et Iseult;* extracts from Rabelais and Montaigne.

Offered in alternate years.

7. LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES (3)

Texts as: Bradley and Michell, *French Literature before 1880;* the plays of Corneille, Racine, Molière. Extensive outside reading.

Offered in alternate years.

8. LITERATURE OF THE NINETEENTH AND TWENTIETH CENTURIES (3)

Texts as: Bradley and Michell, *French Literature of the Nineteenth Century;* Grant, *French Poetry of the Ninteenth Century.* Extensive outside reading.

Offered in alternate years.

9. CONVERSATION AND PHONETICS (3)

Emphasis is laid on an understanding of phonetic principles, and special attention is given to analysis and correction of defects in pronuncation. Conversational exercises for comprehension and practical vocabulary building stressed.

Offered in alternate years.

10. ADVANCED COMPOSITION (3)

Advanced practice in French syntax and stylistics with the view of enabling the student to write idiomatic French.

Offered in alternate years.

11. THE FRENCH THEATER OF THE EIGHTEENTH AND NINETEENTH CENTURIES (3)

Intensive reading and analysis of eight or nine plays, reports by members of the class on other plays, and written reviews of plays assigned as outside reading.

Offered on sufficient demand.

GERMAN

For those students who feel prepared and desire to fulfill their language requirements, standard competency tests will be given at stated intervals during the year. Ability to read texts of the grade of difficulty presented in Eishendorff, Hesse or Gehl will be considered competency. The standard of competence is normally developed by the end of German 3, 4.

1-2. ELEMENTARY GERMAN (6)*

Grammar and easy reading. General historical survey of outstanding men and works in German literature, music, and art from the migratory period to the beginning of the classic age. This course is equivalent to two years of German in the secondary school.

3, 4. SECOND YEAR GERMAN (3, 3)

Grammar review, oral and written work, reading. Texts as: Evans and Kramer, *Intermediate German Work Book, Die Biene Maja, Still und Bewegt, Knulp;*

CREDIT of three hours for the first term allowable after competence has been attained in another foreign language.

Gehl's *Lebensbilder aus der deutschen Geschichte.* General historical survey of outstanding men and works in German literature, art, and music from the classic age to the present.

5. General Reading Course (3)

Intensive reading of outstanding German authors such as Lessing, Schiller, and Goethe. Emphasis is given to the development of classicism in Germany.
Offered in alternate years.

6. Early German Literature (3)

Survey of German literature from the earliest epics to the time of the Reformation. *Hildebrandslied, Nibelungenlied, Parzifal,* Luther, Hans Sachs, and others.
Offered in alternate years.

SPANISH

Competence in Spanish is considered ability to read texts of intermediate difficulty, such as those of Galdos, Pereda, Juan Valera, and Palacio Valdes. This standard is normally developed by the end of Spanish 3, 4. For those who feel that they have acquired competence otherwise, standard tests will be given at certain periods during the year.

1-2. Elementary Spanish (6)*

Fundamentals of grammar, reading and composition. Three hours of classwork and a fourth hour of laboratory with emphasis on conversation and oral composition each week. This course is equivalent to two years of Spanish in the secondary school.

3, 4. Second Year Spanish (3, 3)

Advanced grammar, reading, conversation and composition based on text and supplementary material dealing with topics of current interest.

5. General Reading Course (3)

Designed to develop speed, comprehension, and appreciation. Reading of masterpieces of Spanish literature of all types and periods.

6. Spanish Literature of the Middle Ages and the Renaissance (3)

Beginning and the development of poetry, drama and the novel during the Middle Ages and the Renaissance.
Offered in alternate years.

7. Literature of the Golden Age (3)

Cervantes, the Spanish Theatre. Gongora and other major writers.
Offered in alternate years.

8. Spanish Literature Since 1700 (3)

Classicism, Romanticism, Realism, and the Generation of '98.
Offered in alternate years.

**CREDIT of three hours for the first term allowable after competence has been attained in another foreign language.*

9. Conversation and Phonetics (3)

Emphasis is laid on an understanding of phonetic principles, and special attention is given to analysis and correction of defects in pronunciation. Conversational exercises for comprehension and practical vocabulary building stressed.
Offered in alternate years.

10. Advanced Composition (3)

Advanced practice in Spanish syntax and stylistics with the view of enabling the student to write idiomatic Spanish.
Offered in alternate years.

MUSIC

Professor Johnson

Assistant Professor Brammer

Miss Marion B. Thomas, Miss Pfotenhauer, Miss Jaeger

THEORY OF MUSIC

1. Music Appreciation (3)

An integrated course planned to establish a foundation in the enjoyment and appreciation of music through a study of texts supplemented by recorded music and extensive outside reading. For both music students and the layman. *Available as an introductory elective in Division I (see page 27).*

3, 4. History of Music (3, 3)

Complete survey of the place of music in art and life from pre-Christian times to the present. Supplemented by recordings and extensive outside reading and reports.
Recommended Prerequisite, Music 1.

5, 6. Sight Singing and Dictation (3, 3)

Aims to develop sufficient skill to sing at sight music suited for use in the public schools. Includes study and practice in melodic and rhythmic patterns to the point where a student will recognize, visualize, sing, and write intervals and melodic phrases in all keys.

11. Advanced Sight Singing and Harmonic Dictation (3)

Training in advanced sight reading of material involving chromatics, modulation, and difficult intervals and rhythms, in unison and part singing; aural and visual recognition and analysis of harmonic structures.
Prerequisite, Music 5, 6.

15, 16. Harmony (3, 3)

Harmonizing melodies, using all the diatonic chords and their inversions; as well as non-chordal tones and modulations—all with specific application to the keyboard. Original choral composition in simple part forms.
Prerequisites, Music 5, 6.

17. Advanced Harmony (3)

Use of chromatic chords in melodies and figured bass. Study of chromatic chords for purposes of modulation. Original compositions in simple part forms using chromatic chords.

Prerequisites, Music 15, 16.

20. Form and Analysis (2)

Forms used in music, from two- and three-part song form to the sonata-allegro and rondo forms. Analysis of the harmonic style and the forms used in Bach's chorales; in piano music of Mozart, Beethoven, Chopin, and Brahms; and in representative modern compositions.

Prerequisites, Music 3, 4, and 17.

Offered in alternate years.

23. Counterpoint (2)

Analysis of the harmonic basis and contrapuntal style of Bach's two- and three-part inventions and fugues. Creative writing in the style.

Prerequisites, Music 3, 4, and 17.

Offered in alternate years.

24. Elements of Conducting (2)

Instruction in the technique of the baton, score reading, selection and setting of correct tempo, diction, posture, balance, atmosphere, preparation for public performance, and chorus and orchestral conducting. Opportunity is given to conduct standard compositions of various types.

25. Choral Conducting (2)

Advanced baton technique and interpretation. Discussion of problems encountered in working with church or public school choirs. Practice in conducting singers in standard choral numbers.

Prerequisite, Music 24.

26. Instrumental Conducting (2)

Advanced baton technique and interpretation. Score reading and conducting standard symphonic and band literature. Practical experience in conducting orchestral and band groups. Discussion of problems arising in public school orchestras and band work.

Prerequisite, Music 25.

27. Orchestration (2)

Preparation of orchestral scores from piano literature. Orchestrating works by representative classical and modern composers with special consideration of the problems of public school music.

Prerequisite, Music 3, 4, and 17.

28. String Class (2)

Class instruction in violin playing with a working knowledge of other stringed instruments of the orchestra.

31. Wood Wind Instrument Class (2)

Modern method of teaching all wood winds (clarinet, oboe, bassoon, and flute), in the same class. Instruction in proper fingering, tonguing, embrochure, breathing, position, tone production, and care of instrument. Discussion of problems arising in public school instrumental work.

32. Brass Wind Instrument and Percussion Class (2)

Modern method of teaching all brass instruments (cornet, trombone, baritone, French horn, mellophone, and tuba) in one class. Instruction in proper fingering, tonguing, tone production, position, embrochure, and care of instruments. Percussion class includes the study of all common percussion instruments. Discussion of problems arising in public school instrumental work.

COLLATERAL COURSES:

Materials and Methods in Music (see Education 45, 46)

Elementary Public School Music (see Education 49)

APPLIED MUSIC

Private Instruction

The music department offers private instruction in piano, pipe-organ, string and wind instruments, and voice. The completion of an instructional grade (which usually requires a year of study and practice) beyond the "competence standard" in piano and voice (Grade III) and beyond the work of the introductory year in string and wind instruments entitles a student to one hour of credit a term to the limit of two hours in any one grade.

The College will allow as many as six credit-hours in private instruction to be counted towards a degree.

Ensemble (Orchestra, Band, College Choir, Chapel Choir)

All students who are interested are urged to take advantage of the opportunities afforded for experience and practice in ensemble work. Credit to the limit of four credit-hours (one hour for each term of work in one ensemble) may be allowed for satisfactory participation in this division of applied music.

Credit in Applied Music

The College will allow credit in excess of six hours (including both private instruction and ensemble) only to those students who have taken courses in the history and theory of music, one credit-hour of applied music being allowed for every two credit-hours in courses in history and theory.

No student may offer more than twelve hours of applied music towards a degree.

Students preparing to teach or supervise public school music should consult the program suggested on page 40. Special adjustments in the tuition charges for private instruction have been made to meet the requirements of students in this field. (See p. 18.)

Other students desiring a general foundation for intelligent understanding and participation in the field of music should consult the program suggested under "Music," p. 36.

Division II — The Social Studies

PROFESSOR KIRACOFE, *Chairman*

THE NATURE OF SOCIETY (3)

Designed to give an integrated picture of the various elements in contemporary civilization. Analyzes the growth of religion, social and economic institutions, traces the rise of law and government and the progress of learning.

Consists of lectures, collateral reading, and reports. *Required in the first year (see page 27).*

BIBLICAL STUDIES

ASSISTANT PROFESSOR GLICK

2. BIBLICAL HISTORY (3)

Survey of the cultural and spiritual heritage of the Hebrew people, the life of Christ, and the beginnings of the Christian church. Substantial reading in the Revised Standard Version of the *Bible* is assigned. *Required in the first year (see page 27).*

3. THE PROPHETS (3)

Aims to acquaint the student with the *Old Testament* prophets, the world in which they lived, and the messages they brought. Special attention is given to the relevance of the prophetic message for our day.

Offered in alternate years.

4. THE LIFE OF CHRIST (3)

Study of the background of the four *Gospels,* a chronological outline of the life of Jesus Christ, the important emphases in his teaching, and his significance for the Christian faith.

Offered in alternate years.

6. THE APOSTOLIC AGE (3)

Detailed study of the origin and growth of the Christian church in the first century with particular reference to the book of *The Acts* and the letters of Paul.

Offered in alternate years.

7. THE CHRISTIAN FAITH (3)

Systematized study of the essential truths of the historic Christian faith: God, man, Jesus Christ, the *Bible,* the church, and the future.

Offered in alternate years.

9, 10. CHURCH HISTORY (3, 3)

An inquiry into the history of the Christian church from the second century to the present. Emphasis is given to such topics as the compromise of the church with the world, the development of its thought, and its numerous schisms.

Offered in alternate years.

14. HISTORY OF RELIGION (3)

Origin and growth of religion including a comparative survey of the principal religions of the world, and an analysis of the basic factors in religious experience.

Offered in alternate years.

15. PRINCIPLES OF CHRISTIAN EDUCATION (3)

Introduction to the field of Christian education. Consideration is given to basic concepts and general problems of organization and administration. Emphasis is placed upon the application of methods of education in general to the specific field of Christian teaching, especially in the church school.

Offered on sufficient demand.

COLLATERAL COURSES:

GREEK (see Classical Languages 1-2, 3, 4)

INTRODUCTION TO PHILOSOPHY (see Philosophy 1)

LOGIC (see Philosophy 2)

ECONOMICS AND BUSINESS ADMINISTRATION

PROFESSOR BOOTH

ASSISTANT PROFESSOR MILLER

MR. NOLAN

1. PRINCIPLES OF ECONOMICS (3)

General introduction to the functioning of the economy with a contrast of the methods of private capitalism and governmentally planned economics. Consideration is also given to money and the monetary system and to the problems associated with business fluctuations. *Available as in introductory elective in Division II (see page 27).*

2. PRINCIPLES OF ECONOMICS (3)

Further theoretical development and analysis of prices, economic organization, the distribution of income, public finance and international trade.

3. ECONOMICS OF CONSUMPTION (3)

Analysis of the position of the consumer in a modern economy from the theoretical and then the practical viewpoints. Surveys of family budgets and government regulations for the protection and support of the consumers' interest.

5. ECONOMIC DEVELOPMENT OF MODERN EUROPE (3)

Analysis of the main economic trends in Europe since 1750. Special emphasis on the Industrial Revolution, its economic and social results, and on the critical problems of the twentieth century.

Prerequisite, Economics 1. Recommended, History 5, 6.

Offered on sufficient demand.

6. ECONOMIC DEVELOPMENT OF THE UNITED STATES (3)

Analysis of the economic history of the United States since 1750 leading to an interpretation of the current American scene.

Recommended, prerequisite, History 15, 16.

7. ECONOMIC STATISTICS (3)

Devoted to such general topics as multiple and partial correlation, the sample theory, analysis of variance index number theory, and analysis of economic time series. Two hours of class with two hours of laboratory each week.

Prerequisite, Mathematics 14.

Offered in alternate years.

9, 10. Money and Fiscal Policy (3, 3)

First term develops the theory of money. Second term is concerned with public finance, domestic and foreign monetary policy, and economic fluctuations.

Prerequisites, Economics 1, 2, and 7. Recommended, Economics 23, 24.

12. Advanced Economic Theory (3)

Discussion of a selected number of complete works on economics which have been significant in the development of economic theory.

Prerequisites, Economics 1, 2 and 9, 10.

Offered in alternate years.

15. Business Cycles (3)

Methods of measuring and describing cyclical fluctuations in business activity, the more important theories of the causes of the business cycle, and the leading suggestions for stabilization of business acitvity at full employment levels.

Prerequisites, Economics 1, 2.

Offered in alternate years.

16. International Trade and Finance (3)

Consideration to classical and contemporary theories of international trade and finance. Includes a discussion of such current questions as exchange control, exchange depreciation, international capital movements, intergovernmental lending, tariffs, trade restrictions, cartels, state trading, customs unions, and international agencies for economic cooperation.

Prerequisites, Economics 1, 2.

Offered in alternate years.

20. Business Management (3)

Details of business organization especially of employee relations, production control, motion and time studies, inventory controls, and similar problems. Relation between the business unit and government control agencies.

Offered in alternate years.

21. Marketing (3)

History and importance of commodity distribution. Problems of modern marketing of both agricultural and manufactured goods, marketing policies, the function of middlemen, salesmanship and advertising.

Prerequisites, Economics 1, 2.

Offered in alternate years.

23, 24. Business Finance (3, 3)

Thorough and systematic study of the financial organization and policies of modern business corporation and modern banking institutions. Discussion includes promotion, financial management, reorganization, liquidation, capital structure, means of procuring capital, financial controls of sales, production, inventories, and similar problems. Organization, structure, and lending operations of commercial and investment banks; stock exchanges and government lending agencies.

Prerequisites, Economics 1, 2 and 31, 32. Recommended, Economics 25.

25. Introduction to Business Law (3)

Introductory analysis of the laws of contract, agency, negotiable instruments, partnerships, corporations, personal and real property, and security relations.

Offered in alternate years.

27. Problems of Labor (3)

Problems of labor, present and historical, including labor organization and labor legislation, particularly in the United States.

Prerequisites, Economics 1, 2.

Offered in alternate years.

31, 32. Principles of Accounting (3, 3)

Introduction to the fundamentals of accounting, from a discussion of double-entry bookkeeping to the use of revenue accounts, control accounts and columnar books. Two hours of class and three hours of laboratory each week.

33. Advanced Accounting (3)

Discussion of more advanced accounting procedures with special emphasis upon analysis and interpretation of financial statements

Prerequisites, Economics 31, 32. Recommended, Economics 23, 24.

34. Tax Accounting (3)

Accounting principles underlying the determination of net income under the federal tax laws; attention given to concepts of income, accounting bases of income determination, analysis and classification of gross income, deductions, credits, exemptions, rates, and computation of tax for various classes of taxpayers.

Prerequisites, Economics 31, 32 and 33.

EDUCATION

Professors Kiracofe, Johnson, and Butler

Assistant Professor Schlegel

1. Introduction to Education (3)

General survey of the field of teaching. Aims to afford a means for the student to orient himself in the field of education to a study of aims, materials, needs, and opportunities. Also aims to contribute to the student's general education and to broaden his social vision.

2. History of Education (3)

Development of educational institutions, ideas, and practices to the present time. Foundation elements: Greek, Roman, and Christian; great educational movements; the origin, growth, and influence of national systems; present tendencies in education.

3. Educational Psychology (3)

Practical applications of psychology to educational problems; involving native equipment, measurement, general principles of learning, and learning applied to school subjects. *This course may be credited toward concentration in the Department of Psychology.*

Prerequisite, Psychology 1.

9. Visual Education (3)

Practical values of visual and other sensory aids in teaching. Includes standards of evaluation of these aids and their integration with the curriculum. Consideration is given to the guiding principles and techniques of use as well as the minimum equipment needed: sources, housing, and distribution. Laboratory practice in the construction and use of the various aids.

Prerequisites, Education 1 and Psychology 1.

Laboratory Fee, $5.00.

10. General Safety Education (3)

Designed to acquaint the teacher-in-service with information, materials, and methods for teaching accident prevention on the secondary and elementary school levels. Planned to meet the state requirements for the teaching of safety education in the public schools of Pennsylvania. Emphasis on home, school, farm, traffic, school shop, and recreational activities.

Offered in the summer only. Open only to in-service teachers or post-graduates.

15. Student Teaching (6)

Opportunity to observe and teach is provided by arrangement with the public schools. Work is carried on under the general supervision of the chairman of the department. Course is open only to those who have attained senior standing in an approved teacher education program. Application for student teaching privileges should be made not later than the beginning of the junior year. Admission to student teaching privileges is granted only to students whose application is approved.

Secondary, Fall Term (Prerequisite, Education 18 and a teaching major of 18 hours or more in each of two subject fields).

Elementary, Spring Term.

Home Economics, Spring Term (Prerequisite, Education 41).

Music, Spring Term (Prerequisite, Education 45, 46).

Student Teaching Fee, $30.00.

SECONDARY EDUCATION

Students preparing to teach in the secondary schools of Pennsylvania should consult page 38. Requirements in other states may be had at the Office of the Registrar.

17. Principles of Secondary Education (3)

Survey of secondary education as an introduction to the study of the place and function of the secondary school; changes in the secondary schools of Europe and America in response to new needs and demands; relation of secondary education to elementary and higher education; organization and curricula of the secondary school.

18. Principles and Techniques of Teaching (3)

Twofold emphasis: (1) a study of the techniques of teaching and the principles of learning; and (2) observation and practice in the use of such techniques as questioning, making assignments, testing and marking, supervised study, lesson planning, and classroom management.

Prerequisites, Education 1, 3.

19. Educational Measurements (3)

History and philosophy of measurement in education, including intelligence achievement on personality tests. Emphasizes statistical interpretation, construction, and use of tests. *Credit not granted for both Education 19 and Psychology 8.*

Laboratory Fee, $3.00.

ELEMENTARY EDUCATION

Students preparing to teach in the elementary schools of Pennsylvania should consult p. 39. Requirements in other states may be had at the Office of the Registrar.

27. Curriculum in Science (3)

Study of what science is appropriate to each grade of the elementary school. Courses of study, especially the state course, are studied in detail. Textbooks in science on the elementary level are examined. A study of science as found in other elementary subjects and everyday living is made. Emphasis on the developing of a scientific attitude in the growing child.

28. Children's Literature and Story Telling (3)

Planned to acquaint prospective elementary teachers with literature for children through wide reading of juvenile books, detailed study of types and examples, examination of graded lists, and collection of material. Critical study is made of selection and presentation of children's literature. Practice in the preparation and telling of stories.

29. Correction of Speech Defects in Elementary School Children (3)

Intended to aid prospective teachers in diagnosis and correction of any personal speech difficulties. Primarily to present general suggestions for dealing with children who have speech defects, how speech sounds are formed, common sound substitutions, and methods of correction practice exercise and types of articulation tests.

Offered on sufficient demand.

31. Teaching of Health (3)

Stresses personal health in the teacher and an interest in and knowledge of all points of school hygiene. Both the study of the necessary health information and methods of teaching health. Teacher's responsibility for formation of proper habits and control of the environment.

32. Curriculum in Arithmetic (3)

Aims to check on the prospective teacher's knowledge of arithmetic subject matter and to strengthen the weak points found. Includes methods of teaching arithmetic from beginning number work to upper grade work. Diagnostic and remedial work is stressed; student made acquainted with achievement tests in this field; grade placement.

33. Geography (3)

Includes subject matter and methods of geography. Study is made of the world as a whole and as to its natural and political divisions. Modern ways of teaching geography, including the problem method, are stressed. Use of materials and devices is taught.

34. Teaching of Reading (3)

Study of reading in general followed by a technique of teaching primary, middle, and upper grade reading. Reading considered both from the standpoint of content subjects and recreation. Student becomes acquainted with good textbooks in the field and remedial measures. Open to juniors and seniors only.

36. Curriculum Materials and Methods of Elementary Teaching (3)

First part deals with principles, methods, and techniques which apply to elementary teaching. Second part with course of study and curriculum materials of specific subjects of elementary grades. Understandings developed in the first part applied to various subjects.

37. Educational Measurements (3)

Includes a study of development of standard tests; construction, use and interpretation of tests; first hand study of tests suitable for use in the elementary school.

Laboratory Fee, $3.00.

38. Teaching of English and Handwriting (3)

Provides the elementary teacher a chance to become acquainted with both content and methods of language, composition, grammar, handwriting, and other English work of the elementary schools. Stress on teaching poetry and other literature in such a way that appreciation may result.

39. Teaching of Elementary Social Studies (3)

Study of the objectives, content and method, of teaching the social studies appropriate for the elementary school.

40. Remedial Reading (3)

Designed to give laboratory practice in diagnostic and remedial treatment of children who have reading difficulties. Opportunities for work with tests, instruments, and materials of instruction.

Prerequisite, Education 34.

Offered in the Summer Term only.

COLLATERAL COURSES:

Applied Art (see Art. 4)

Principles of Economics (see Economics 1)

Elementary Public School Music (see Education 49)

Child Psychology (see Psychology 4)

Biological Science (see Biology 12)

Physical Science (see Physics 14)

HOME ECONOMICS EDUCATION

41. Home Economics Education (3)

Special methods of teaching and evaluating instruction in home economics, unit development, lesson plans, textbooks, illustrative material, supervision of home projects and observation in the public schools. *Required in the senior year as prerequisite to student teaching in home economics.*

42. Vocational Home Economics Administration (3)

Consideration of special vocational educational problems, professional ethics, space and equipment for homemaking departments and establishment and maintenance of departments.

MUSIC EDUCATION

45, 46. Materials and Methods in Music (3, 3)

Materials and methods of teaching in elemenatry grades, including careful analysis of the child voice in singing rote songs, and study of songs suitable in construction and range for the child voice. Latter part applies the principles to work of the junior and senior high school. *Prerequisite to student teaching in music.*

49. Elementary Public School Music (3)

Planned for students preparing to teach in the elementary field. Brief study in the fundamental ground work necessary for teaching music in first six grades.

HISTORY AND POLITICAL SCIENCE

Professor Crosby

Assistant Professor Nye

Mr. Yurick

HISTORY

Students intending to make history their chief study, or wishing to be recommended by the department for teaching that subject, must have 18 credit-hours as a minimum foundation, including History 5, 6 and 15, 16. Students concentrating in political science should include History 7, and Economics 1, 2 in addition to the courses mentioned above.

Students interested in diplomatic or consular service should consult p. 33.

2. Ancient Civilization (3)

Survey of the political, social and cultural institutions of the Orient, Greece, and Rome, with special emphasis upon the contributions of each to the civilization of the following periods. *Available as an introductory elective in Division II (see page 27).*

4. History of Medieval Europe (3)

Review of the later Roman Empire and the movements of the Germanic nations, with special reference to their settlement in western Europe. Includes a rather detailed study of the various medieval movements and institutions, both in church and state, concluding with the Renaissance. *Available as an introductory elective in Division II (see page 27).*

5. Modern Europe to 1815 (3)

Survey of the history of Europe from the fifteenth century to the Congress of Vienna.

6. Modern Europe from 1815 to 1914 (3)

Institutional, social, cultural, and political trends emphasized in both History 5 and 6.

7. English History (3)

Concerned with the general development of Great Britain from prehistoric times to the post World War II era; special attention to the rise of Parliament, the common law, and the basic liberties that form part of the American tradition. Particularly useful for pre-legal studies.

12. History of Russia (3)

An integrated study of Russia stressing the dominant factors in shaping history of the land and people. "Modernization" of Russia evaluated against such background factors as growth of absolute government and causes of the Revolution and Counter-Revolution. Some time given to systematic study of structure and functions of the Soviet state.

Offered on sufficient demand.

13. Current World History (3)

Offers a careful world survey (from 1914 to the present) of tendencies and trends in leading countries of Europe, Asia, Africa, Australia and northern areas of North America not usually covered in other courses. Endeavors to analyze cultural, economic, political, and international issues. Special emphasis on growing possibilties for a better world understanding in consequence of two world wars.

14. Renaissance and Reformation (3)

An analysis of the period of transition from medieval to modern times. Opens with an investigation of the cultural, philosophical, economic, and political aspects of the Italian Renaissance, followed by careful study of Protestant revolt and its subsequent developments. Open to juniors and seniors.

Offered in alternate years.

15. American History to 1865 (3)

History of the United States, with special attention to Pennsylvania, from the colonial beginnings to 1865. Special stress on the social and economic factors of our national development as interpreted by modern historical research.

16. American History Since 1865 (3)

Covers the development of the United States, and of Pennsylvania particularly, since the Civil War.

17. American Diplomatic History (3)

Traces the rise and development of basic principles of our foreign policy; deals with the characters and activities of our Secretaries of State and their diplomatic agents; explains the nature of our diplomatic disputes with other nations; illustrates the gradual emergence of our country as a recognized world power.

Prerequisites, History 15, 16.

Offered in alternate years.

19. American Constitutional History (3)

Acquaints the student with development of the Federal Constitution as a skeleton supporting the ideals and spirit of American legal institutions. Most important cases of the Supreme Court analyzed, noting principles of law involved in each case and their influence upon American institutions.

Offered in alternate years.

20. Latin-American History (3)

Designed to acquaint the student with major happenings in Latin America. Spanish and Portuguese colonization and its heritage, revolutionary period of early nineteenth century, period of turmoil and awakening into nations, and present-day situations and problems are treated. Economic conditions stressed; considerable attention to United States relations with Central and South America.

21. History of the Far East (3)

Survey of history, culture, and social organization of China and Japan. More detailed survey of the recent international history of the Far East, including impact of the West upon the Orient; relations of the United States with the Far East; role of Russia and the Philippines. Problems created by the aftermath of the Second World War in the Pacific Area stressed.

Offered on sufficient demand.

POLITICAL SCIENCE

22. Principles of Political Science (3)

Fundamental political conceptions; the state, government, nature and source of public authority, individual liberty under the law, governmental organization and functions, political parties, the relation of the state to other states. *Available as an introductory elective in Division II (see page 27).*

24. State and Local Government (3)

Creation and development of state constitutions, popular control of government by means of direct legislation, relation of the state to federal government, newer conception of the work of state administration with particular reference to Pennsylvania, organization and functions of county and municipal government.

Offered in alternate years.

25. American Government (3)

An inquiry into the origin, purpose, and functions of the various organs of American federal government. Concerned particularly with present-day reaction of governmental system to problems of modern life. Open to juniors and seniors.

Offered in alternate years.

26. International Relations (3)

World political and economic relations involving such underlying problems as nationalism, imperialism, and internationalism, and such agencies of control as may be afforded by diplomatic and administrative action. Rise and development of the Monroe Doctrine, Pan-Americanism, the Hague conferences, and the Permanent Court of International Justice.

Offered on sufficient demand.

COLLATERAL COURSES:

Church History (see Biblical Studies 9, 10)

Principles of Economics (see Economics 1)

Introduction to Sociology (see Sociology 1)

HOME ECONOMICS

PROFESSOR BUTLER

ASSISTANT PROFESSORS MATHIAS AND FISHER

MRS. JOSEPH

Students preparing to teach home economics in the public schools of Pennsylvania should consult p. 39. Students desiring to gain a moderate amount of knowledge and skill in home-making should consult p. 34. Students interested in commercial foods work and institutional management should consult p. 32. Students interested in dietetics should consult p. 33.

1. HOME ECONOMICS SURVEY (0)

Weekly conference hour planned to orient student to the field of home economics, survey professional opportunities for the home economics trained person, and acquaint her with the training and personal qualifications necessary for each profession. One hour each week. *Required of home economics students.*

3, 4. FOODS (3, 3)

Principles of foods and cookery including selection, composition, place in diet, purchase and preparation of foods. Two hours of class and one laboratory period each week.

Laboratory fee, $8.00 a term.

5, 6. ADVANCED FOODS (3, 3)

Instruction in preservation of food, experimental foods, and demonstration technique with student participation. Also includes marketing, meal planning and table service, and lunchroom management. One hour of class and two laboratory periods each week.

Prerequisite, Foods 3, 4.

Laboratory fee, $8.00 a term.

8. FUNDAMENTALS OF NUTRITION (3)

Essentials of an adequate diet under normal conditions of health. Nutritive properties of common food materials.

9. ADVANCED NUTRITION (3)

Survey of the types of nutrition work. Calculation of dietaries for the individual, the family, and various physiological conditions. Recent literature in the field of nutrition.

Prerequisites, Home Economics 8, Chemistry 1, 2, or 3, 4.

Offered in alternate years.

10. DIET IN DISEASE (3)

Diseases and abnormal conditions in which food is an important factor of treatment.

Prerequisite, Home Economics 9.

Offered in alternate years.

11, 12. INSTITUTIONAL ADMINISTRATION (3, 3)

Theory and practice of problems involved in preparing and serving of foods in large quantities. Study of principles of organization, personnel, marketing, equipment, inventories, account keeping, and menu-making. One hour of class and two laboratory periods each week.

Prerequisite, Home Economics 5, 6, Economics 2.

Offered in alternate years.

Laboratory fee, $8.00 a term.

13. GENERAL FOODS (3)

Survey in foods offered to liberal arts students; includes a study of food selection, meal planning, table service, nutritive value of foods, budgeting, and brief survey of table setting with appropriate linen and silver. Two hours of class and one laboratory period each week.

Offered in alternate years.

Laboratory fee, $8.00.

14. FOOD DEMONSTRATION (2)

Intensified course in food demonstrating for those planning to enter foods in business. One hour of class and one laboratory period each week.

Offered in alternate years.

Laboratory fee, $8.00.

16. INSTITUTIONAL MANAGEMENT SEMINAR (3)

Problems in institutional management.

Offered on sufficient demand.

17. CLOTHING SELECTION (2)

Study of the adequate financial clothing plan for the college girl; fundamental principles of design applied to dress; history of costume with special reference to factors influencing modern clothing design; study of personality in relation to dress; figure analysis and corrective dress. Includes study of grooming, clothing for occasions and seasons, the ensemble, fashion and the fashion cycle, clothing designers, and care of clothing. One hour of class and one laboratory period each week.

18. TEXTILES (3)

Textile fibers and fabrics and their sources, uses, production, characteristics, and finishes; physical and chemical tests for fiber identification; detergents and their relation to textiles. Two hours of class and one laboratory period each week.

Laboratory fee, $8.00.

20. FUNDAMENTALS OF CLOTHING (2)

Commercial patterns and elementary construction processes. Mechanics and use of the sewing machine. Planning and making of simple cotton garments. Two laboratory periods each week.

Laboratory fee, $8.00.

21, 22. ADVANCED CLOTHING (3, 3)

Topics studied: making a dress form; draping waists, skirts, sleeves, collars, and a basic dress; pattern drafting; a renovation problem; and designing, draping and constructing a dressy gown. Includes making a coat or suit. Three laboratory periods each week.

Laboratory fee, $8.00 each term.

24. General Clothing (3)

General course in clothing and design offered to liberal arts students. Includes study of clothing suitable for the individual's personality; simple elements of design and color; clothing for occasions, accessories, clothing budget and purchase; textile fibers and suggested uses; clothing care and construction. One hour of class and two laboratory periods each week.

Laboratory fee, $8.00.

27. Design and Color (2)

Fundamental principles of design: proportion, balance, rhythm, emphasis, and harmony. Attention given to original designing, elementary color theory and its relation to design, historic designs, and lettering. One hour of class and one laboratory period each week.

Laboratory fee, $8.00.

29. Advanced and Applied Design (2)

Development of original designs and their application in stitchery, block printing, weaving, painting, carving, tooling, etching, etc. Two laboratory periods each week.

Prerequisite, Home Economics 27.

Laboratory fee, $8.00.

30. House Planning and Decoration (4)

Study of exterior and interior of the house to meet practical and aesthetic needs. House planning and selection of furnishings with reference to cost, convenience, comfort, use, and beauty. Historic architecture and period furnishings. Three class periods and one laboratory period each week.

Laboratory fee, $8.00.

33. Home Management (3)

During residence in the home management house each girl serves in all capacities of the home, including the actual care and management of the house, home entertainment, and care of a baby. Supervisor lives with girls and directs their work. One class period and two laboratory periods each week.

Laboratory fee, $8.00.

35. Child Development (3)

Elements of human embryology, prenatal care, and the physical, mental, and emotional development of the child from infancy to school age. Practical experience in care of a baby and in observing and working with nursery-school children. Clothing needs of children. Two class periods and one laboratory period each week.

Laboratory fee, $8.00.

36. Home Nursing (2)

Home methods of caring for the sick and the aged; first aid in common emergencies; prevention of illness and disease. Given in the second half of the term. Two hours of class and two laboratory periods each week for the half-term.

COLLATERAL COURSES:

Principles of Economics (see Economics 1)

Economics of Consumption (see Economics 3)

Home Economics Education (see Education 41)

Vocational Home Economics Administration (see Education 42)

The Family (see Sociology 25)

General Biology (see Biology 1, 2)

Bacteriology (see Biology 10)

General Chemistry (see Chemistry 3, 4)

Organic and Food Chemistry (see Chemistry 13)

Household Physics (see Physics 17)

LIBRARY SCIENCE

1. Introduction to Library Science (3)

Designed to orient the student in the use of the library. Emphasis on the organization and administration of a school library, including the buying of books and periodicals and their preparation for circulation. Two hours of class and two hours of laboratory each week.

Offered on sufficient demand.

PHILOSOPHY

Professor Mays

Assistant Professor Glick

1. Introduction to Philosophy (3)

Designed to acquaint the student with some of the major problems of philosophy, particularly in metaphysics. Principal text is Plato's *Republic* with attention given not only to the realms of being but also to the nature of the arts, the meaning of virtue, and the distinctions among the kinds of political states. Further study of the problem of being is found in the works of selected medieval and modern philosophers, such as Thomas Aquinas, Bishop Berkeley, and George Santayana.

2. Logic (3)

Study of the forms of reasoning, inductive and deductive. Special attention is given to the application of logical rules in the analysis of arguments and the detection of fallacies.

3. Ancient and Medieval Philosophy (3)

Study of the contributions of Plato, Aristotle, Augustine, and Thomas Aquinas to philosophical thought. Conducted in terms of the original writings of these philosophers, with emphasis upon metaphysical problems.

4. Modern Philosophy (3)

Principal philosophical writings of the following philosophers are studied: Descartes, Locke, Berkeley, Hume, Kant, and a selected contemporary philosopher. Problems of epistemology are stressed.

Recommended prerequisite, Philosophy 3.

5. Ethics (3)

History, theory, and practice of ethics. An analysis is made of the various moral attitudes and problems associated with modern society. *Required in the senior year (see page 27).*

7. Philosophy of Religion (3)

Careful analysis of the fundamental problems of religion based upon the evidence assembled by the history and psychology of religion. Special attention to the uniqueness of Christianity.

Prerequisite, Philosophy 1.

Offered in alternate years.

PHYSICAL EDUCATION

Assistant Professor Snider

Mr. Smaltz, Miss Cochran

Recognizing the importance of good health and an intelligent grasp of the constitution and needs of the human body, the College offers a program of instruction and activity in hygiene and physical education. Since physical recreation bears an important relation to health and success in post-college years, every student should gain at least beginner's skill in the most popular sports. In addition to the first year program outlined below, which must be completed before a student can be recommended for graduation, the College expects every student to maintain through his college course a regular schedule of exercise and recreational activity. The members of the staff will be glad to assist in organizing inter-group competition and arranging schedules.

1, 2. Hygiene (0)

Non-credit course for first year students designed to cover the essential topics pertaining to health. Supervised recreational activity is required to supplement the work. When a student has completed these requirements satisfactorily, the department will certify his competence to the Office of the Registrar.

3, 4. Coaching Method and Theory (2, 2)

Instruction and practice in coaching the seasonal sports, emphasizing systems, techniques, fundamentals, and care of minor injuries. Coaching will be taught by instructors of appropriate sex. Prerequisite to departmental recommendation to a coaching position. One hour of class and at least two hours of laboratory each week. Open to juniors and seniors only.

6. Physiology of Exercise (3)

Advanced course in physical education and for those registered in the pre-medical curriculum. Review of the systems, organs, muscles, and bones of the human body and a study of their functions in physical exercise. Open to juniors and seniors only.

PSYCHOLOGY

Mr. Kimbrough

Psychology 1 is prerequisite to all other courses in the department. Students interested in psychology professionally should consult p. 38.

1. The Mind (3)

Study of observation, perception, thinking, and other processes of the mind as well as of emotions and their relation to learning. Student will learn basic facts about himself that will help him to a wise selection of occupation and to a better adjustment to life. Prospective student of psychology will find here an adequate basis for later study. *Required in the first year (see page 27).*

4. Child Psychology (3)

Emphasizes the application of psychological principles to an understanding of child behavior. Topics discussed are origins of behavior, modifications of behavior, motor development, emotional development, and personality adjustment.

6. Psychology of Adolescence (3)

Physical, intellectual, emotional, and social growth of the adolescent. Emphasis will be upon adolescent problems of adjustment in relation to the home, the community, and the school.

8. Introduction to Psychological Measurements (3)

Comprehensive survey of psychological tests including intelligence, vocational, aptitude, and personality measurement. *Credit not granted for both Psychology 8 and Education 19.*

10. Psychology of Adjustment (3)

Adaptation of the human organism to his environment. Topics include motivation, varieties of adjustment behaviors, psychological principles of mental health, and organic factors in the adjustment process.

12. Abnormal Psychology (3)

Study of abnormal personalities in the light of normal personalities. Some topics are: motivation, and adjustment, general causes of abnormal behavior, introduction to the psychoneuroses, treatment of the psychoneuroses, introduction to the psychoses, mental deficiency, and antisocial personalities and crime.

Prerequisite, Psychology 10.

13, 14. Advanced Psychology (3, 3)

Designed to orient the student in the areas of clinical and experimental psychology. Topics covered include psychometrics, neuroses, psychoses and mental deficiency, statistical analysis of psychological data, and a brief history of psychology.

Prerequisites, nine hours of psychology, Mathematics 14, and permission of the instructor.

Laboratory Fee, $3.00 a term.

COLLATERAL COURSE:

Educational Psychology (see Education 3). This course may be credited toward concentration in the Department of Psychology.

SOCIOLOGY

Professor Henry

Students intending to make sociology their chief study should consider the following courses an absolute minimum: Sociology 1, 2, 6, 7, and 25. Students planning to enter graduate school in sociology are reminded that these

schools are increasingly requiring a minimum of 24 hours in sociology for admission without condition.

Students interested in social service should consult p. 38.

Sociology 1 is prerequisite to all other courses in the department, except Sociology 25.

1. Introduction to Sociology (3)

Designed to acquaint the student with the functional organization of society, nature of man's social heritage, bearing of group life upon the individual's personality, and primary concepts of sociology. *Available as an introductory elective in Division II (see page 27).*

2. Social Problems (3)

Poverty, deficiency, and dependency, and other ills of present day society, looking toward discovery of their underlying causes, as well as their solutions and remedies.

4. Advanced Social Theory (3)

Review of social theory from Plato to the present time.

6. Criminology (3)

Crime, its extent, character, causes, and prevention. Object is to develop a scientific attitude toward both crime and the criminal.

7. Cultural Anthropology (3)

Culture of primitive societies, the origin of man and of human races, variability of culture in the modern world, and growth and diffusion of culture.

Offered in alternate years.

8. Principles of Social Work (3)

Survey of general field of Social Work, its history and development, and the principles and practices of sound procedure.

Offered in alternate years.

15. Rural Sociology (3)

Trends in the physical and economic conditions of the rural population. Special attention to rural school and rural church, as well as rural-urban relations.

17. Institutional Social Service (1-3)

College credit may be granted to a maximum of three hours for volunteer work at an approved institution. Applicant must have completed at least two years of college work. Project must include directed study under competent guidance and a written report will be required. Supervisor of project will be requested to give written summary and recommendation.

25. The Family (3)

Consideration is given to the historical development of the family, its special problems growing out of a changing social order, and a practical study of such problems as mate selection, adjustment in marriage, and home building.

COLLATERAL COURSES:

Principles of Economics (see Economics 1)
Introductory Statistics (see Mathematics 14)
Abnormal Psychology (see Psychology 12)
General Biology (see Biology 1, 2)

Division III — The Natural Sciences

Professor Will, *Chairman*

The Nature of Science (3)

To explain and illustrate the importance of science and scientific thinking in our contemporary world. Emphasizes the widening frontiers of scientific search during the past one hundred years. Some time will be devoted to explaining the nature of man's investigation into his origins, his physical nature, and the nature of the universe about him. An effort will be made to show the working of the scientific mind, its method of approaching the unknown and the objectives toward which it works.

Consists of lectures, illustrated wherever possible by experiments, moving pictures, etc. Collateral reading and reports. *Required in the first year (see page 27).*

BIOLOGY

Professor Will

Assistant Professor Bartha

Students intending to make biology their chief study should consider three full years of work in biology, and in addition General Physics (1, 2) and General Chemistry (1, 2), a minimum foundation.

Students preparing to enter the study of medicine should consult p. 36.

Biology 1, 2 is prerequisite to all other courses in the department except Biology 12.

1, 2. General Biology (4, 4)

Elementary study of living organisms and the relations between plants and animals. Plants are studied from the standpoint of form and metabolism, and animals from the standpoint of structure and response. Types are selected which illustrate the fundamental biological laws. Laboratory includes such studies as illustrate the facts and principles taught. Three hours lecture or recitation and three hours field or laboratory work each week.

Laboratory Fee, $8.00 a term.

3, 4. Comparative Anatomy (3, 3)

Study of the comparative anatomy of chordates with emphasis on the members of the vertebrate group. One lecture, one recitation, and a minimum of four hours laboratory work a week.

Laboratory Fee, $8.00 a term.

5. General Physiology (4)

Physiological activities of living tissues with emphasis on those of the animal kingdom. Three hours lecture or recitation and three hours laboratory work a week.

Prerequisite, Chemistry 1, 2 or 3, 4. Recommended prerequisite, Biology 3, 4 and Chemistry 11, 12.

Laboratory fee, $8.00.

6. Genetics (3)

Theories and principles of heredity and genetics. Textbook and lecture ma-

terial are supplemented by student reports and the solution of numerous representative problems. Three hours lecture or recitation a week.

9. Botany (3)

Begins with study of fundamental processes of metabolism, such as nutrition, photosynthesis, respiration, and growth. Followed by a phylogenetic survey of the plant kingdom. Attention given to the principles of plant classification. Two hours lecture or recitation and three hours laboratory work each week.

Laboratory fee, $8.00.

10. Bacteriology (3)

Emphasizes the study of bacteria, but also includes a consideration of yeasts, molds, and protozoa. Two hours lecture or recitation and three hours laboratory work each week.

Laboratory fee, $8.00.

11. Entomology (3)

Lectures and demonstrations on characteristics of the orders and families of insects, with study of their habits, life-histories, and relations to other animals and to plants. Laboratory consists of study of structure, ecology, metamorphosis, and classification of insects. Each student required to collect and prepare a typical collection of insects.

Offered on sufficient demand.

Laboratory Fee, $8.00.

12. Biological Science (3)

Introduction to biological principles through a study of elementary human physiology. Continues with a consideration of the plant kingdom with emphasis on physiology; résumé of the animal kingdom. Two hours of lecture or recitation and three hours of laboratory work each week. *Available as an introductory elective in Division III (see page 27).*

13. Parasitology (4)

Comprehensive study of the parasites of protozoan and metazoan origin with emphasis on human parasitism. Laboratory consists of the identification of and some study with certain staining techniques to demonstrate parasites. Lecture three hours and a minimum of three hours of laboratory each week.

Laboratory Fee, $8.00.

14. Histology (4 or 5)

Introduction to the study of vertebrate tissues. Includes a brief study of the methods used in preparing tissues for microscopic examination. One hour of extra credit may be earned by a more extensive consideration of micrological procedures. Two hours lecture or recitation and a minimum of four or six hours laboratory work each week.

Offered in alternate years.

Laboratory Fee, $8.00.

16. Vertebrate Embryology (4)

Embryological development of vertebrates. Two hours lecture or recitation and a minimum of four hours laboratory work each week.

Offered in alternate years.

Laboratory Fee, $8.00.

CHEMISTRY

Professors Rockwell and Davis

Assistant Professor Hartzler

Chemistry 1, 2 is prerequisite to all other courses, except Chemistry 3, 4, and 13.

Students preparing for research or industrial chemistry should consult p. 32.

1. General Chemistry (4)

Covers the general laws, important elementary facts of the science and a rather detailed consideration of the non-metals. Large number of illustrative experiments and use of the analytical balance in simple quantitative analysis in laboratory. Two lectures, two recitations and four hours of laboratory work each week.

Laboratory Fee, $10.00.

2. General Chemistry (4)

Continuation of General Chemistry 1 dealing particularly with the metals, Two lectures, two recitations and four hours of laboratory each week.

Laboratory Fee, $10.00.

3, 4. General Chemistry (3, 3)

Similar to Chemistry 1, 2, but designed for students in the home economics department, except those whose chief study is foods and nutrition, and for students who are not concentrating their work in Division III. Cannot be substituted for Chemistry 1, 2. Two recitations and four hours laboratory work each week.

Laboratory Fee, $10.00 a term.

7. Qualitative Analysis (4)

Study of the analytical reactions, methods of isolation and identification of the metals and acids commonly encountered in technical operations. Semi-micro procedure and technique are followed. Careful attention to development of correct methods necessary to attain speed and accuracy in analysis. Emphasis on reactions which are also useful in quantitative analysis. Approximately 15 unknown substances including commercial products will be analyzed by each student. Three hours of recitation and a minimum of four hours of laboratory each week.

Laboratory Fee, $10.00.

8. Quantitative Analysis (4)

Designed to familiarize the student with typical and instrumental methods of quantitative analysis. Lectures and laboratory deal with the theories underlying gravimetric, volumetric and colorimetric methods of analysis and related problems. Three hours of lecture and a minimum of four hours of laboratory each week.

Prerequisite, Chemistry 7 (except pre-medical students).

Laboratory Fee, $10.00.

9. Advanced Quantitative Analysis (4)

Designed to acquaint the student with the various technical and instrumental methods of quantitative analysis. Lectures deal with the theories of modern instrumental analysis and technical methods. Laboratory provides instruction

and practice in the technical analysis of limestone, water ores, and metals, and application of various instruments to measurement of pH, gas analysis, potentiometric analysis, and quantitative electro-deposition of metals. Three hours of lecture or discussion and a minimum of four hours of laboratory work each week.

Prerequisite, Chemistry 8.
Laboratory Fee, $10.00.

11, 12. Organic Chemistry (4, 4)

Systematic elementary study of the carbon compounds, intended to establish a knowledge of general reactions and inter-relationships of the important groups of compounds. Laboratory includes illustrations of fundamental methods of organic synthesis and qualitative identification of organic compounds. Three hours recitation and a minimum of four hours laboratory each week.

Laboratory Fee, $10.00 a term.

13. Organic and Food Chemistry (4)

Brief but systematic elementary study of the carbon compounds and their relation to the chemistry of foods. Intended to develop a familiarity with properties of simpler organic compounds followed by a study of fats, carbohydrates and proteins, including their behavior in processes of digestion and metabolism. Designed for students in home economics department, except those whose chief study is foods and nutrition. Three hours recitation or lecture and four hours laboratory work each week.

Prerequisite, Chemistry 3, 4.
Laboratory Fee, $10.00.

17, 18. Physical Chemistry (4, 4)

Detailed study of the more important principles of chemistry with emphasis on the solution of problems. Laboratory designed to illustrate application of physical measurements to study of chemical problems. Three hours recitation or lecture, four hours laboratory work a week.

Recommended prerequisites, Physics 1, 2, Mathematics 5, 6, Chemistry 7, 8-9.
Laboratory Fee, $10.00 a term.

19-20. Biochemistry (8)

Somewhat detailed study of the chemistry and reactions of the enzymes, carbohydrates, fats, proteins, and inorganic constituents occurring in the more important organs and tissues of the body. Laboratory includes study of the assimilative and digestive processes; chemical examination of blood, muscle, and nerve tissue. Three hours lecture and four hours laboratory work each week.

Prerequisites, Chemistry 7, 8, 11, 12, Biology 1, 2. Recommended, Chemistry 17, 18.
Laboratory Fee, $10.00 a term.

21-22. Advanced Organic Chemistry (8)

Advanced organic theories and reactions are discussed in detail. Laboratory work is of an advanced nature, including such preparations as camphor from turpentine, amino acids from silk, synthetic drugs and dyes. Three hours lecture and a minimum of four hours laboratory work each week.

Prerequisite, Chemistry 11, 12.
Laboratory Fee, $10.00 a term.

25-26. Advanced Physical Chemistry (8)

Designed to bridge the gap between chemistry and physics and to introduce the student to the study of atoms and molecules from the point of view of statistical and quantum mechanics. Includes statistical treatment of the kinetic theory of gases, calculation of thermodynamic functions from statistical and quantum mechanics, application of these functions to various problems. Laboratory consists of special laboratory techniques, including high vacuum work, and the completion of a minor research problem.

Prerequisites, Chemistry 17, 18, Mathematics 5, 6, and 7.
Laboratory Fee, $10.00 a term.

27. Pre-Medical Physical Chemistry (3)

Designed to fit the specific needs of pre-medical and biology students. Covers those items of physical chemistry which have found application in biochemistry, medicine, and physiology. Mathematical work will be kept at a minimum and will require no mathematical training beyond that of algebra. Two lectures a week and one three-hour laboratory. Open to juniors and seniors.

Laboratory Fee, $10.00.

28. Organic Analysis (3)

Designed to give experience in the systematic analysis of organic compounds. Largely devoted to quantitative procedures for determination of the elements carbon, hydrogen, nitrogen, the halogens and sulfur, and of various functional groups. One hour lecture and a minimum of eight hours laboratory a week.

Prerequisite, Chemistry 7, 8-9, 11, 12.
Laboratory Fee, $10.00.

30. Industrial Chemistry Seminar (1)

Designed to acquaint the student with an introductory knowledge of the processes and equipment of industrial chemical technology. Each student is expected to prepare and present at least one report requiring a search of the literature. Serving as a laboratory for the course is a three or four day field trip to an industrial area such as Pittsburgh or Philadelphia in which various industries and laboratories employing chemical operations are inspected. Required to present written report of these visits. Planned so that course may be taken in two successive years without duplication of material. Restricted to juniors and seniors concentrating in Chemistry. One hour seminar each week.

Laboratory Fee, $10.00.

DRAWING

Assistant Professor Yoder

1. Mechanical Drawing (3)

Scope of this course satisfies the prerequisite requirements for subsequent engineering courses. Consists of practice in the use of instruments, lettering, orthographic projection, auxiliary projections, working drawings, tracing, and blue printing. Three three-hour periods a week.

MATHEMATICS

ASSISTANT PROFESSOR STAYER

MR. BEDIENT

Students intending to make mathematics their chief study should consider as a minimum foundation mathematics through Theory of Equations and Differential Equations.

Students seeking the recommendation of this department to teach mathematics in the secondary school are strongly advised to take Mathematics 1, 2, 5, 6.

1. MATHEMATICAL ANALYSIS I (4)

Intensive study of elementary operations with an introduction to logarithms. Concept of function with special attention to linear, quadratic, and trigonometric function, equations, and identities. Brief studies in the theories of equations, inequalities, ratio and proportion, progressions, the binominal theorem, complex numbers, permutations and combinations, and determinants.

2. MATHEMATICAL ANALYSIS II (4)

Analytical approach to Euclidean geometry in the plane, emphasizing canonical forms and the graphs of straight lines, conic sections, and trigonometric functions. An extension to three dimensions with emphasis on lines, planes, and quartic surfaces.

3. FUNDAMENTALS OF MATHEMATICS (3)

Appreciation of mathematics having as its objectives: a study of growth of the basic mathematical ideas; a respect for correct reasoning, precise definition, and clear grasp of underlying assumptions; an understanding of the place of mathematics in human endeavor; and a discussion of some of the important problems of pure mathematics and its applications. Intended for students who do not anticipate concentrating their work in Division III. *Available as an introductory elective in Division III (see page 27).*

4. SPHERICAL TRIGONOMETRY (1)

Solution of spherical triangles with applications in navigation and astronomy.

5, 6. CALCULUS (4, 4)

Fundamental concepts and techniques of differentiation and integration with elementary applications.

Prerequisite, Mathematics 1, 2.

7. DIFFERENTIAL EQUATIONS (3)

Study of the methods for solution of ordinary differential equations in two variables and their applications.

Prerequisite, Mathematics 5, 6.

8. ADVANCED DIFFERENTIAL EQUATIONS (3)

Solution of differential equations involving more than two variables. Solution by series. Partial differential equations with applications.

9. ADVANCED CALCULUS (3)

Intensive study of the fundamental concepts of differentiation and integration followed by study of power series, expansions, and partial differentiation with applications. Includes a careful study of line, surface, and space integrals and an introduction to vector analysis.

Prerequisites, Mathematics 5, 6.

10. THEORY OF EQUATIONS (3)

Thorough study of the complex numbers system and of the solution of polynominal equations in one unknown with real coefficients including approximation methods. Study of systems of linear equations with an introduction to the theory of determinants and matrices.

11. MATHEMATICS OF FINANCE (3)

Introduction to the mathematical problems arising in the study of annuities, amortization, bonds, depreciation, perpetuities, capitalization, and insurance.

12. ASTRONOMY (3)

Non-mathematical survey of the science of astronomy including the use of a portable five-inch telescope.

13. SURVEYING (3)

Use of the surveyor's compass, surveyor's level, and the engineer's transit with associated problems.

Offered on sufficient demand.

Laboratory Fee, $5.00.

14. INTRODUCTORY STATISTICS (3)

Study of elementary statistical techniques. Major topics studied are sources; uses and presentation of statistical data; construction of frequency distributions; measures of central tendency and dispersion; introduction to probability theory and the normal curve; and simple correlation. Two lectures each week on basic statistical theory and two hours of laboratory, where the applied problems are concerned with each student's major field.

COLLATERAL COURSES:

PRINCIPLES OF ACCOUNTING (see Economics 31, 32)

MECHANICAL DRAWING (see Drawing 1)

MECHANICS (see Physics 9)

PHYSICS

ASSISTANT PROFESSOR YODER

Students intending to make physics their chief study should consider the following courses a minimum foundation: Physics 1, 2, 3, 4, 5, 6, 7, 8. Students seeking the recommendation of this department to teach physics in the secondary schools are strongly advised to take Physics 1, 2, 3, 4, 5, 6, 7, 8.

Physics 1, 2 and Mathematics 5, 6 are prerequisite to all courses in the department, except Physics 3, 4, 14, and 17.

1, 2. GENERAL PHYSICS (4, 4)

Covers the important elementary facts of mechanics, sound, heat, magnetism, electricity, and light. Includes lecture-demonstrations, mathematical deductions of general equations and the solution of a large number of problems, as well as the performance of many illustrative experiments in the laboratory. Trigonometry and secondary school physics are desirable prerequisites but are not

required. Three hours recitation or lecture and three hours laboratory work each week.

Laboratory Fee, $8.00 a term.

3, 4. Advanced Physical Measurements (1, 1)

Laboratory course intended to accompany Physics 1, 2 but may be taken separately. Experiments may be distributed over the whole field of physics if desired. Students needing more than Physics 1, 2 to satisfy such requirements as entrance to certain medical or engineering schools are expected to take this course. At least three laboratory hours each week.

Laboratory Fee, $8.00 a term.

5, 6. Atomic Physics (3, 3)

Devoted to the study of the more recent developments in the field of physics consisting of such topics as electromagnetic theory, kinetic theory, radiation, photoelectricity, thermionic emissions, X-rays, spectral series, radioactivity, atomic structure.

Offered in alternate years.

Laboratory Fee, $8.00 a term.

7, 8. Electricity and Magnetism (4, 4)

Mathematical treatment of the subject with applications. Both D.C. and A.C. electricity are included. Precise experimental work is done in laboratory. Three hours recitation or lecture and three hours laboratory work each week.

Offered in alternate years.

Laboratory Fee, $8.00 a term.

9. Mechanics (3)

Study of some of the principles and theorems common to the various branches of engineering, theoretical physics and celestial mechanics, with purpose of developing facility in application of mathematical formulae to investigation of physical phenomena. May be credited as mathematics.

Offered in alternate years.

Laboratory Fee, $8.00.

10. Heat and Thermodynamics (3)

Study of the nature of heat, its effects, its transmission, and its measurement. Laws of thermodynamics and their various applications are also considered. Subjects such as radiation and specific heats are investigated from the point of view of both the classical and quantum theories.

Offered in alternate years.

Laboratory Fee, $8.00.

11. Light and Optical Instruments (3 or 4)

Principles of the geometrical and physical aspects of the subject are studied in detail. Electromagnetic theory, quantum theory and radiation included. Laboratory to the extent of three hours each week may be arranged carrying one additional hour credit.

Offered in alternate years.

Laboratory Fee, $8.00.

14. Physical Science (3)

Concerns the subject matter of the physical sciences—astronomy, chemistry, geology, and physics. Purpose is to develop the ability to think clearly in the subjects considered; to appreciate the background of the natural sciences; and to become somewhat acquainted with the content of the field. *Available as an introductory elective in Division III (see page 27).*

17. Household Physics (4)

Planned as a course in college physics for students in home economics. Covers in an introductory manner the whole field of general physics, no previous knowledge of the subject being required. Trigonometry is advised but not required. Three hours recitation and three hours laboratory work a week.

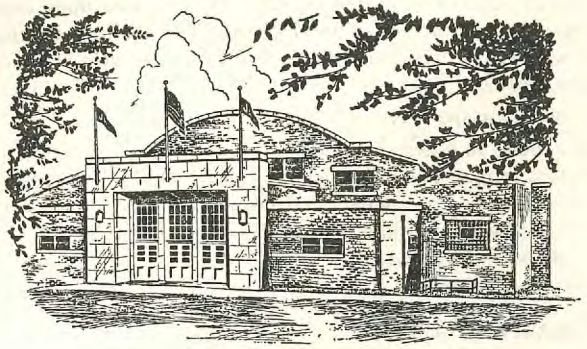
Offered on sufficient demand.

Laboratory Fee, $8.00.

COLLATERAL COURSES:

Physical Chemistry (see Chemistry 17, 18)

Mechanical Drawing (see Drawing 1)



Student Life

Student Personnel Services

THE STUDENT personnel services are organized to help the student achieve maturity. To this end they deal with a wide variety of personal attributes which are important in developing the kind of life he will live and the contribution he will make to society. Through its interest in and guidance of phases of college life outside of the actual classroom, the student personnel program aims at making the young man or young woman a better student, a better person, and a better citizen.

Student personnel work is broadly controlled by the Student Counseling Committee which consists of the Dean of the College, the Dean of Men, the Dean of Women, the Assistant to the President, and the Registrar. After policies and procedures have been agreed upon within the Committee, each official is responsible for the guidance and administrative functions which come under his individual direction. The Dean of the College is concerned primarily with directing the academic program and with educational guidance; he heads the Review Committee which periodically examines the academic records of all students, and makes certain recommendations and decisions designed to improve poor or deficient records. The Deans of Men and Women are con-

cerned with student housing, discipline, personal and vocational guidance, and individual and group counseling. The Dean of Men acts as the Placement Officer, and conducts the reading and study clinic and the vocational testing services. The Dean of Women is in charge of the social program of the college; she heads the Social Activities Committee which helps plan and coordinate that program.

ADVISORY SYSTEM

THE MEMBERS of the Student Counseling Committee and members of the Department of Psychology act as advisers to freshmen. A weekly assembly of all freshmen during their first term in college is designed to aid them in becoming oriented to Juniata and better adjusted to college generally.

New students are invited to attend Freshman Days, a program of orientation held for several days at the beginning of the academic year. Events are planned to help the student become acquainted with Juniata, and the College to know the new students better.

PLACEMENT

THE COLLEGE Placement Officer assists graduating seniors to obtain satisfactory employment by obtaining information concerning possible openings, and by offering guidance in the techniques of job-seeking. When it appears to be mutually advantageous to employing authorities and students, arrangements are made for interviews on the campus.

The Placement Office is prepared to open and maintain a file for any senior or alumnus desiring to utilize its services. A limited service is also available for students seeking summer employment.

HEALTH SERVICE

THE COLLEGE Infirmary is maintained for the benefit of students who become ill or are injured. Two registered nurses are in charge, under the direction of the College physicians, who visit the campus regularly, and are on call in emergency. The General Student Fee (see page 18) entitles each student to certain medical services, including a complete physical examination each year. The College maintains insurance coverage for medical expenses incurred by students as a result of accidental injuries suffered while under its authority.

READING AND STUDY CLINIC

THE CLINIC makes available counseling and instruction in improving study habits and increasing competence in reading. Diagnostic testing and individual guidance, along with materials and equipment for remedial work, are furnished under the supervision of trained members of the faculty and administrative staff. The services of the clinic are available to any student who, prompted by his sense of need, is willing to give time and effort to measures of improvement.

VOCATIONAL GUIDANCE AND TESTING SERVICE

VOCATIONAL GUIDANCE is available through the Deans of Men and Women. The testing service is equipped to provide information on students' intelligence, aptitudes, and interests; such information forms the basis for counseling designed to aid the individual in making a realistic vocational choice and planning his program in the light of that goal.

Student Activities

STUDENT SENATE

THE STUDENT Senate is the coordinating agency for all student activities, the membership representing every phase of college life. It acts as a directing, advisory, and regulatory, but not disciplinary, body. There are four officers—president, vice-president, secretary, and central treasurer—and eight chairmen, representing the various forms of student life: social activities, women's house, men's house, underclass activities, publications, general activities, athletics, and religious activities. The three faculty members are the Dean of Men, the Dean of Women, and an elected member. The offices and chairmanships are held by juniors and seniors, who are nominated by petition and elected by the student body.

The Women's House Committee and the Men's House Committee, working with the appropriate Deans, formulate rules and regulations for the control and discipline of the residence halls. Members of the committees are popularly elected, and the chairmen serve as members of the Student Senate.

STUDENT ORGANIZATIONS

TO PROVIDE a focus for varied interests among the students, a number of clubs and social groups have organized.

Interest and experience in music is provided by the *Juniata College Choir,* the *Chapel Choir,* the *Orchestra,* and the *College Band.*

The *Masque* (dramatics) and a debating group stimulate interest in literary activity.

In other special departments the *Tycoon Club* (economics and business), *Scalpel and Probe* (pre-medical), *La Cercle Francais,* the *Chemistry Club, Future Teachers of America, and Lambda Gamma* (home economics) provide opportunity for discussion of their special problems.

The *International Relations Club* is the campus focus for the discussion of world affairs. The day students are organized in two social groups for men and women.

ATHLETICS AND PHYSICAL TRAINING

THE COLLEGE tries by every means to promote an adequate program of wholesome athletic activity for all its students. A high standard of clean amateur sport, without subsidization of athletes, has been rigidly maintained.

After the work of the freshman year (see p. 26), which is required for the college degree, the College expects every student to continue an active program of physical training under the direction of the Department of Physical Education.

Intercollegiate contests in football, basketball, baseball, golf, tennis, and track are scheduled under the direction of the Department of Physical Education and with the advice and approval of the Physical Education Committee and faculty of the College.

Intramural sport is playing an increasing part in the program of health education and physical training. Schedules and tournaments are arranged for various campus groups; and facilities are provided for exercise and sport outside the group activities. Women share equally with the men in the intramural program.

The J Club and the *Women's Athletic Association* are honorary organizations, membership in which is granted for outstanding achievement in athletics.

PUBLICATIONS

Juniata College Bulletin. The *Bulletin* is the official publication of the College, including in its quarterly issues the catalog, the reports of the President and Treasurer, the summer session announcement, and other special publications.

The Juniatian. The weekly newspaper is a student publication. Staff positions are obtained on merit, and the top-ranking posts are won by competition.

The Alfarata. The college annual depicts, largely in pictures, the life of the College, including faculty, students, student organizations, campus, and buildings. Representatives from all classes help to publish the book, but the principal positions are held by seniors.

The Scout. The freshman handbook is published as an aid to the freshman in the early days of his college life.

The Alumni Bulletin. Issued three times a year as the official organ of the Alumni Association, this publication presents to the more than six thousand Juniata alumni, news about themselves and the campus.

Juniata College Friends of the Library. The bulletin is published from time to time in the interest of developing the resources and services of the Juniata College Library.

Religious Activities

BY THE circumstances of its founding and its present commitments Juniata College wishes to be known as a Christian college. The program of religious activities is designed to cultivate the religious experience of all students and to make commitment to Christian discipleship the central affirmation of life.

Church attendance is expected of all resident students. A student may attend the Stone Church on the campus or another church of his choice. A Chapel Service, at which attendance is required, is held three days each week. The President's Bible Class meets every Sunday morning in Founders' Chapel. The Ministerium is a fellowship of students preparing for the Christian ministry.

The Juniata Christian Association is the coordinating religious organization on the campus. Its President is the Senate Chairman of Religious Activities. The four general areas in which it carries on its program are: Christian Heritage, which provides leadership for worship services, plans the annual Spiritual Emphasis Week, and arranges periodic vesper services; Personal-Campus Affairs, which brings to the campus qualified speakers for counseling in personal affairs; World-Relatedness, which sponsors projects of off-campus concern including an extensive student deputation program; and Social Responsibility, which provides opportunity for concrete service projects in the community.

Spiritual Emphasis Week in the Spring is a most effective stimulus to the spiritual development of the students. Outstanding ministers and Bible teachers are brought to the College for this occasion by the income of an endowment of $5,000 established in 1921 by Mrs. May Oller Wertz, of Waynesboro, Pennsylvania, as a memorial to her late sister, Mrs. Annie Oller Dubbel.

Each year the students organize and promote a fund-raising campaign comparable to the local community chest campaigns of many localities. The money which is raised goes into the Juniata World Service Fund, from which contributions are made for foreign students aid, two American missionaries, and the World Student Service Fund.

Government and Discipline

THE COLLEGE expects of each student the conduct of a mature and intelligent person. In both social relationships and private deportment, each student should conform to the ideals of Christian character. The regulation of the student life rests in the hands of the administration and faculty, who may prescribe and enforce such standards of conduct and scholarship as they think wise.

Among the specific regulations made for the general welfare of the college community is that which considers the use of alcoholic liquors, the failure to give truthful testimony to a college official, and dishonesty in any phase of college work very serious offences, usually leading to dismissal.

All students not residents of Huntingdon are required to room and board at the College unless otherwise permitted by the President. The College, moreover, reserves the right to determine whether a resident student is justified in maintaining an automobile in Huntingdon. Resident students who wish to entertain their friends or relatives should report the visit to the appropriate Dean.

Students who withdraw during the college year must obtain a withdrawal form from the appropriate Dean and have it signed by the officials indicated thereon in order to receive a letter of honorable dismissal. Any student who marries thereby severs his relation to the College and must apply for readmission.

Attendance at college is a privilege and not a right. The College reserves the right to require the withdrawal of any student at any time for reasons deemed sufficient to it and no statement of reason for requiring such withdrawal need be given.

Scholarships and Financial Aid

Scholarships

EACH YEAR the college awards a number of scholarships, which represent the income of endowments designated for that purpose. These awards represent an earnest desire to aid students of superior academic attainment towards graduation from this College; consequently, any student who leaves before graduation will be expected to refund the amount of scholarships received during his stay at Juniata. No student may hold more than one scholarship at any one time.

Trustee Competitive Scholarships. The board of trustees has established a series of competitive scholarships for high school graduates. These scholarships are awarded on the basis of the Juniata College scholastic aptitude test, high school record and personal recommendations.

The Huntingdon High School Scholarships. The trustees of the College have provided that scholarships in Juniata College of $100 a year for two years shall be awarded annually to two members of the graduating class of the Huntingdon High School, the beneficiaries to be selected by the Board of Education of Huntingdon.

The Elizabeth N. Fogelsanger Scholarship (1916). This scholarship has been contributed by the late J. M. Fogelsanger, of Philadelphia, Pa., in honor of his beloved mother, Elizabeth N. Fogelsanger, and provides for the payment of $50 to a student in Juniata College every year in perpetuity.

The Ira J. Moon Scholarships (1921). Two scholarships are contributed by Ira J. Moon, Holsopple, Pa., providing for the payment of $100 each toward the education of students in Juniata College preparing for the ministry or the mission field.

The Mary Eliza (Steele) Buckley Fund (1934). This scholarship has been contributed by Mrs. Anna T. Secker of Washington, D. C., in memory of her mother, Mary Eliza (Steele) Buckley, and provides for the payment of $50 each year to a student in Juniata College to be selected by the President of the College.

The Henry R. Gibbel Scholarship (1934). Through the generosity of Mrs. Florence B. Gibbel, of Lititz, Pa., a trustee of Juniata College, an annual scholarship in the value of $100 has been endowed as a memorial to her husband, the late Henry R. Gibbel, for many years a member of the board of trustees of Juniata College and president of the board for two years.

The David Maurice Wertz Scholarships (1935). An endowment for two scholarships of $100 each has been provided by the late Mr. D. M. Wertz of Waynesboro, Pa. In the awarding of these scholarships preference is given to men who are members of the United Lutheran Church.

The Philip Cabot Scholarship (1936). Through the generosity of Professor Philip Cabot of Harvard University the College has become the recipient of $1,000, the income of which is annually to be given in the form of a scholarship to a graduate of some recognized secondary school or high school whose qualifications give promise of superior college achievement.

The J. Walter Englar Fund (1937). By the will of the late J. Walter Englar of New Windsor, Md., the income from the residue of his estate is to be devoted to scholarships at Juniata College for young people from the State of Maryland. Provision is made for others to become the beneficiaries in case the entire income is not needed by Maryland students.

The Kersey Mierley Scholarship (1938). This scholarship has been provided in memory of J. Kersey Mierley, son of Dr. and Mrs. C. V. Mierley of Huntingdon, Pa., who graduated from the Juniata Academy in 1921 and was a student in the College from 1921-1923, transferring to the Dental School of the University of Pittsburgh. In the awarding of this scholarship of $100 preference is given to young men from Huntingdon.

Middle Pennsylvania Ministerial Scholarship. The Ministerial Association of the Middle District of Pennsylvania, Church of the Brethren, provides one scholarship of $50, the beneficiary to be nominated by the officers of the association.

Waynesboro Alumni Association Scholarships. Two scholarships are provided and awarded by the Waynesboro Alumni Association. In awarding these scholarships preference is given to students from Waynesboro.

Professor Jacob H. Brumbaugh Scholarship in Chemistry (1937). As a memorial to the late Professor Jacob H. Brumbaugh, teacher 1877-1924, principal 1879-1881 and 1883-1893, trustee 1884-1934, his son, the late Professor Norman J. Brumbaugh, has established a scholarship of $125 to be awarded annually to a student majoring in chemistry who has completed his preceding year's work with distinction. The recommendation for the award of the scholarship will be made by the Department of Chemistry and approved by the President.

Men's Work Ministerial Scholarship for Middle District of Pennsylvania (1942). The Church of the Brethren Men's Work organization of the Middle District of Pennsylvania provides a scholarship of $100 to be awarded annually to a ministerial student from the Middle District of Pennsylvania.

Rebecca Shank Funk Scholarship (1934). As a memorial to her grandmother, Rebecca Shank Funk, Miss Rello Oller '20 of Waynesboro, Pa., has provided an annual amount of $500 as a scholarship fund for music students at Juniata College.

The Jesse R. Oller Scholarship (1944). By the will of the late Mrs. Ida R. Gray of Waynesboro, Pennsylvania, the income of $5,000 is to be used for the education of a boy or girl from Waynesboro, Pennsylvania.

The Ida R. Gray Scholarships (1945). Mr. H. E. D. Gray of Waynesboro, Pennsylvania, has given to the College securities with a value of approximately $12,000, the income of which is to be used for two equal scholarships in memory of his wife, Ida R. Gray. Preference will be given to young people from Quincy and Washington Townships, Franklin County, Pennsylvania.

The King Science Scholarship (1945). A fund of $5,000 has been established by Dr. Samuel J. King, '28, and his wife, Frances Shelly King, '29, the income of which shall be used for students with limited financial resources who demonstrate excellence in scholarship, personality, and character. Preference is to be given to students in chemistry and premedical subjects. It is hoped that the recipients of these scholarships will when able add to or establish similar funds at Juniata College.

The Chalender Lee Lesher Scholarships (1945). A fund of $7,500 has been established by Mr. and Mrs. Chalender H. Lesher of Huntingdon, Pennsylvania, in memory of their son, Lt. Chalender Lee Lesher, United States Army Air Corps, a graduate of Juniata College of the Class of 1939, who gave his life in defense of our country. The income of this fund will be used for scholarships for worthy Huntingdon boys of intellectual ability who participate in athletics.

The Oscar R. Myers Scholarship (1945). A scholarship fund of $5,000 has been established by Mrs. Oscar R. Myers and her daughter, Mary Ruth (Myers) Linton, in memory of Professor Oscar R. Myers, Professor of English at Juniata College from 1905 to 1924, and Treasurer of the College from 1924 to 1942. The income of this fund will be used for scholarships for students majoring in English.

The Jennie C. and Francis Baker Scholarship (1946). The children of the late Francis Baker and Jennie C. Baker of Everett, Pennsylvania have provided a scholarship fund, the income of which shall be used to assist worthy young people at Juniata College. Preference shall be given to residents of Bedford County.

The Flora C. Kirk Scholarship (1946). The sum of $2,000 has been given in memory of Mrs. Flora C. Kirk, the income of which shall be used as a scholarship for a worthy young woman attending Juniata College.

The Men's Work Ministerial Scholarship for Western District of Pennsylvania (1947). The Men's Work organization of the Western District of Pennsylvania of the Church of the Brethren provides a scholarship of $100 to be awarded annually to a ministerial student or member of the church worthy of financial assistance.

Alumni Scholarships (1949). The income of the Alumni Fund, which since it was established in 1912 has accumulated more than $25,000, provides four

concurrent scholarships. An award is made annually to a promising entering student and distributed to the student in equal parts over a four-year period.

The Robert E. Miller Scholarships (1950). Mr. Robert E. Miller of Johnstown, Pa., has established a scholarship fund, the income of which is to be used for the education of students from the Johnstown area who are members of the Church of the Brethren. Preference will be given to those preparing for the ministry or missionary service.

The John T. Ryan Memorial Scholarship (1950). As a memorial to his late father, who attended Juniata College in 1903, Mr. John T. Ryan, Jr. of Pittsburgh, Pa., has established a scholarship fund. The income from this fund is used to provide financial assistance to young men and women from Huntingdon and Bedford counties, Pa., with preference being given to residents of the Broad Top Region, particularly the town of Dudley.

The Charles C. Ellis Memorial Scholarships (1951). These scholarships were established by the friends and alumni of Juniata College as a memorial to the late Dr. Charles C. Ellis, who had served the College as teacher, Vice-President, President, President Emeritus, and Trustee from 1894 until his death in 1950. They are awarded to students who have demonstrated unusual competence in scholarship and good citizenship.

The James A. Sell Ministerial Scholarship (1950). As a memorial to his father, Elder James A. Sell, a pioneer in the Church of the Brethren in Pennsylvania, his son, Matthew W. Sell, has established a scholarship fund of $3,000, the income of which shall be used for young men and women preparing for the Christian ministry or missionary service.

The Malcolm and Amy Long Ministerial Scholarship Fund (1944). Mr. and Mrs. Malcolm A. Long of Baltimore, Maryland, have contributed a fund, the income of which shall be used as scholarships for young men preparing for the Christian ministry in the Church of the Brethren. In these awards preference shall be given to students from the State of Maryland.

Christian Education Scholarship (1952). An anonymous donor has contributed $2,500, the income of which shall be used as a scholarship for a student for Christian education as a profession.

Student Aid

FROM THE BEGINNING the College has made an effort to give help to deserving students who are unable to pay all of the regular charges. There are four forms of such aid: (1) Grants-in-aid, (2) Assistantships, (3) Loan funds, (4) Employment opportunities. The grant or continuance of any form of student aid, including scholarships, is conditioned upon satisfactory scholarship and conduct upon the part of the recipient.

GRANTS-IN-AID

GRANTS-IN-AID are made to students whose scholarship record is satisfactory and who need financial assistance. Since these awards are intended for those who expect to graduate from Juniata College, the total amount is due the College if the student does not proceed to graduation.

Ministerial Grants-in-aid. The trustees have provided a number of grants-in-aid up to $150 each especially for ministers of the Church of the Brethren and the children of ministers of the Church of the Brethren. A limited number of these grants-in-aid are available for the children of ministers of other evangelical denominations.

ASSISTANTSHIPS

Several departments of the College employ student assistants for laboratory service, for aid in setting up demonstrations, for the reading of papers, and other duties. These people are ordinarily chosen from the upper classes, and they are students of high scholastic attainments. The College library also has a number of part-time positions for students.

All appointments are made for one year. Student readers are appointed by the Dean of the College. All other student employees are appointed by the Treasurer. Reappointment requires reapplication and is conditioned on satisfactory service and good citizenship.

LOAN FUNDS

To help students meet their college expenses, the following loan funds have also been established:

The Women's Work of the Middle District of Pennsylvania Fund (1942). This fund of $150 is available for upperclass women of the Church of the Brethren from the Middle District of Pennsylvania.

Dr. Maurice and Margaret Stayer Fund (1943). A rotating fund has been established by Dr. Maurice and Margaret Stayer of Johnstown, Pa., to aid worthy students to attend Juniata College. This fund is available for members of the Church of the Brethren. Preference is given to young men and women from Johnstown and vicinity.

The Effie Bassett Rummel Fund (1943). Mrs. Elizabeth Rummel Crosby, of the class of 1911, Carlisle, Pa., has established a student rotary loan fund of $500 in memory of her mother, Mrs. Effie Bassett Rummel.

General Brotherhood Board Student Rotary Loan Fund. Students who are members of the Church of the Brethren and who have completed one year in college may receive a loan up to $200 in any one academic year.

J. W. Swigart Fund. The income of the J. W. Swigart Memorial Endowment is available in the form of loans for young people preparing for missionary work.

The John Robert Ake Memorial Fund (1947). This loan fund has been established by Mr. and Mrs. John A. Ake in memory of their son, John Robert Ake, who was called to the service of his country when a freshman in April, 1943. He died in Japan on November 17, 1945. Five hundred dollars is available each year for worthy students.

General Funds. The Huntingdon club of Rotary International, the Huntingdon chapter of the American Association of University Women, the Huntingdon congregation of the Church of the Brethren, the Cleveland Alumni Association of Juniata College, and other organizations have funds from which loans may be made to students under certain circumstances.

EMPLOYMENT OPPORTUNITIES

There are opportunities for a number of students to earn part of their college expenses by employment at the College and in Huntingdon. Twenty-five young women are employed as waitresses in the dining hall and a number of students are employed in the library, the laboratories, and in the offices. The Treasurer is the Director of Student Employment. Efficiency reports are obtained from supervisors of student employees, and become part of the student's permanent personnel record. Students are expected to obtain permission from the appropriate Dean before accepting employment.

Prizes

The John M. and Thomas F. Bailey Oratorical Award. A prize of $75.00 is to be presented at Commencement to the young man who in the opinion of the faculty is most outstanding in the field of public speaking or debate. This award was originally established by the late Hon. Thomas F. Bailey of Huntingdon, Pennsylvania, President Judge of Huntingdon County from 1916 to 1936, in memory of his father, the Hon. John M. Bailey, President Judge of the Twentieth Judicial District of Pennsylvania from 1896 to 1903. The award has been perpetuated and endowed by Wilhelmina L. Bailey in memory of the Honorable Thomas F. Bailey.

The Dr. Andrew B. and Maria F. Brumbaugh Science Prize Fund. Dr. Gaius M. Brumaugh, '79, M.S. '98, Litt.D. '26, M.D. '88, Georgetown, of Washington, D. C., has established three science prizes of $100 each in memory of his parents, the late Dr. Andrew B. Brumaugh, M.D. '66, University of Pennsylvania Medical School, and Maria F. Brumaugh. These prizes are awarded annually only to students who graduate with distinction in biology, chemistry or physics. A prize is to be awarded to one student in each of the three departments. If one or two departments happen not to have an honor graduate, then either two or three prizes respectively may be awarded to students in the same department. If in any year no one of the science departments has a graduate whose general average is 2.75 or better, no award will be made.

Dr. Andrew B. Brumbaugh, one of the founders of Juniata College, was a trustee and the secretary of the Board of Trustees from its inception in 1878 until his death in 1908. He also was lecturer in hygiene.

The Justina Marstellar Langdon Prize. In memory of their daughter, the late Mrs. Justina Marstellar Langdon, the late Mr. and Mrs. James F. Marstellar

of Bethlehem, Pennsylvania, have given a sum of money, the interest of which, $50, is awarded as a prize to that senior girl in the College who best exemplifies the spirit of helpfulness to others, gentleness of character, and loyal devotion to the College.

The Doctor E. J. Stackpole Prize. Through the generosity of the late Dr. E. J. Stackpole of the *Harrisburg Telegraph,* a sum of money has been set aside, the annual interest of which, $25, is to be awarded to the student in Juniata College each year who by vote of faculty has made the most important contribution to the history of the Juniata Valley.

The Joseph F. Biddle General Information Contest. In memory of the late Hon. Joseph F. Biddle, of Huntingdon, his children have planned a continuance of the general information contest which he established. Two prizes of $15 and $10 respectively will be awarded annually to the two students who take first and second places in an examination on current events and general information. The purpose of this contest is to stimulate general reading and to emphasize the importance of knowledge outside the curriculum.

Women's Work Council Award. The Women's Work Council of the Middle District of Pennsylvania of the Church of the Brethren has established an award of $25 to be given to the Brethren girl who has contributed most to the spiritual welfare of the College. The recipient is selected from among the members of the graduating class each year, and the award is announced at Commencement.

The Stanford Mickle Athletic Award. This award, established on June 6, 1949, recognizes that man of the graduating class who, like Stanford Mickle (Student 1940-41, 1941-42), loved athletics, participated and manifested a wholesome interest in sports, and contributed to the promotion of athletics at Juniata College. A loving cup is presented annually by the Varsity "J" Club, and the names of the recipients are engraved on a plaque which has been presented to the College by the parents, Mr. and Mrs. Russell Mickle, of New Paris, Pennsylvania.

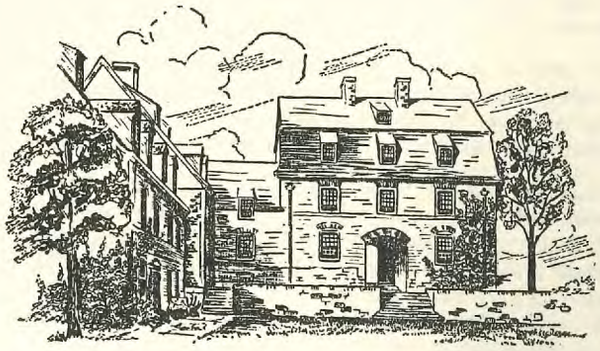
The Doctor Irvin D. Metzger Arts and Languages Prize. A prize of $100 is awarded as a memorial to the late Dr. Irvin D. Metzger, N. E. '94, M. E. '96, Sc.D., '40, by his wife, Dorothy, of Sarasota, Florida, to a qualifying graduate in Division I, The Arts and Languages. This prize is awarded annually to a graduate on the basis of distinguished undergraduate work, especially in the field of concentration. Dr. Metzger, an eye specialist of Pittsburgh, was chairman of the Pennsylvania State Board of Medical Education and Licensure for 23 years. He was president of the Juniata College National Alumni Association in 1911 and served as alumni representative on the Board of Trustees from 1940 to 1944.

The William S. Price Social Studies Prize. Mrs. William S. Price of Royersford, Pa., awards annually a prize of $100 in memory of her late husband, Mr. William S. Price, N.E., '84. This prize is awarded to a graduate in Division II, The Social Studies, on the basis of distinguished undergraduate work, especially in the field of concentration. Mr. Price, former treasurer of the Public Ledger Company, Philadelphia, was a Trustee of Juniata College from 1936 until his death in 1949, and was Treasurer from 1942 until his death.

Alumni Athletic Awards. Six athletic awards have been established by Juniata College alumni for the purpose of recognizing annually the outstanding athlete in each of the following sports: football back, football line, basketball, baseball, track and golf. The donors for these awards are:

Football line	George Weber, '40	Reading, Pa.
Football back	Dr. J. Harold Engle, '23	Waynesboro, Pa.
Basketball	Prof. Jack Oller, '23	Huntingdon, Pa.
Baseball	Charles Goodale, '39	New York, N. Y.
Track	J. Foster Gehrett, '16	Pittsburgh, Pa.
Golf	Blair Miller, '49 ex	Huntingdon, Pa.

These donors have established a fund which will purchase a statue trophy for each annual recipient and a plaque which is hung in the Memorial Lobby of the new Physical Education Building.



Directory, 1952-53

Board of Trustees

OFFICERS

HENRY B. GIBBEL, *Chairman*

CLYDE V. MIERLEY, D.D.S., *Vice-Chairman*

ROSS D. MURPHY, A.M., D.D., *Secretary*

ANNA GRONINGER SMITH, *Assistant Secretary*

JOHN T. FIKE, *Treasurer*

MEMBERS

CALVERT N. ELLIS, TH.B., PH.D., D.D., *Ex-Officio*

Term Expires 1953

ARDIE E. WILT, Altoona (1914)*

MISS BESSIE ROHRER, Waynesboro (1923)

W. NEWTON LONG, Baltimore, Md. (1923)

JOHN C. BAKER, M.B.A., LL.D., Athens, Ohio (1936)

E. PERCY BLOUGH, Johnstown (1944)

* *INDICATES date of first election to the Board.*

WILLIAM I. BOOK, PH.D., Narberth (1946)

CHALENDER H. LESHER, Huntingdon (1947)

GUY N. HARTMAN, LL.D., Meyersdale (1950)

JOHN W. SWIGART, Huntingdon (1950)

Term Expires 1954

SAMUEL M. HESS, Huntingdon (1930)

*MAHLON J. BROUGHER, D.D., Greensburg (1930)

CALVIN BOWMAN, Johnstown (1936)

CHESTER J. LANGDON, Huntingdon (1930)

HENRY B. GIBBEL, Lititz (1940)

J. WARREN HERSHBERGER, M.D., Martinsburg (1940)

JOSEPH V. KLINE, LL.B., New York, N. Y. (1941)

DONOVAN R. BEACHLEY, Hagerstown, Md. (1945)

WILLIAM R. FLORY, Harrisburg (1946)

WILMA STERN LEWIS, M.S., Swarthmore (1951)

Term Expires 1955

JOHN H. FIKE, Waynesboro (1924)

MRS. FLORENCE B. GIBBEL, Lititz (1927)

ALBERT O. HORNER, Pittsburgh (1927)

ROSS D. MURPHY, A.M., D.D., Shippensburg (1927)

CLYDE V. MIERLEY, D.D.S., Huntingdon (1934)

CLAYTON P. WENGER, Ephrata (1938)

DALE DETWILER, Roaring Spring (1949)

JOHN B. MONTGOMERY, M.D., Sc.D., Philadelphia (1950)

JOSEPH R. GOOD, Hollidaysburg (1952)

LESTER M. ROSENBERGER, Narberth (1952)

* *DECEASED, June 23, 1952.*

Administration

CALVERT N. ELLIS, TH.B., PH.D., D.D., *President*

MORLEY MAYS, A.M., PH.D., *Dean of the College*

HAROLD B. BRUMBAUGH, B.S., *Assistant to the President and Alumni Secretary*

JOHN T. FIKE, B.S., *Treasurer*

JAMES F. PENNEY, A.M., ED.D., *Dean of Men*

ALICE BRUMBAUGH DOVE, A.B., *Acting Dean of Women*

A. WILLIAM ENGEL, JR., A.B., *Registrar and Director of Publicity*

SARAH STEELE HETTINGER, A.B., B.L.S., *Librarian*

PAUL F. FRIEND, B.S., *Business Manager*

FRANCES J. MATHIAS, A.M., *Institutional Manager*

ANNA GRONINGER SMITH, *Executive Secretary*

ROBERT A. NEWCOMBE, B.S., *Director of Admissions*

EDGAR M. DETWILER, D.D., *Director of Church Relations*

MIRIAM E. DICKEY, A.B., *Assistant Librarian*

MARJORIE W. JOHNSTON, *Assistant to the Registrar*

HILDA NATHAN, *Assistant to the Treasurer*

BARBARA JENSEN WEAVER, B.S., *Assistant to the Director of Admissions*

*NANCY E. ROGERS, R.N., *Resident Nurse*

BESSIE M. CRIM, R.N., *Resident Nurse*

†ELEANOR R. FURRY, R.N., *Resident Nurse*

WILLIAM B. WEST, M.D., *College Physician*

WILLIAM B. PATTERSON, M.D., *College Physician*

**Fall Term.*

† *Spring Term.*

Faculty

CALVERT N. ELLIS, *President*

A.B., Juniata College, 1923; Th.B., Princeton Theological Seminary, 1927; A.M., Princeton University, 1927; Ph.D., Yale University, 1932; D.D., Bethany Biblical Seminary, 1950; Graduate study, University of Zurich. (1943, 1931)*

FAYETTE A. MCKENZIE, *Professor of Sociology, Emeritus*

B.S., Lehigh University, 1895, LL.D., 1916; Ph.D., University of Pennsylvania, 1906 (1941, 1897)

CHARLES S. SHIVELY, *Professor of Mathematics, Emeritus*

A.B., McPherson College, 1907; A.M., Denver University, 1910, Ph.D., 1919; Graduate study, University of Chicago. (1943, 1920)

†NORMAN J. BRUMBAUGH, *Professor of Chemistry, Emeritus*

A.B., Juniata College, 1906, ScD., 1949; A.M., Harvard University, 1915; Ph.D., University of Pennsylvania, 1922; Research, University of Copenhagen. (1949, 1910)

CHARLES L. ROWLAND, *Professor of Music, Emeritus*

B.Mus., Brandon Institute, 1915; Graduate study: Roanoke School of Music; The Peabody Conservatory; Pupil of Clippinger and Seagle; Columbia University. (1951, 1920)

LILLIAN M. EVANS, *Librarian, Emeritus*

A.B., Juniata College, 1910; B.L.S., Drexel Institute, 1911; Ph.B., University of Chicago, 1918; Graduate study, University of Chicago. (1952, 1918)

HOMER C. WILL, *Professor of Biology*

A.B., Bridgewater College, 1920; A.M., University of Virginia, 1922; Ph.D., University of Pittsburgh, 1932; Graduate study, Cornell University; Research, Carnegie Institute. (1931, 1927)

HAROLD C. BINKLEY, *John Downey Benedict Professor of English*

A.B., University of Toronto, 1918; A.M., Harvard University, 1920; Ph.D., 1926. (1933)

EDGAR S. KIRACOFE, *Martin G. Brumbaugh Professor of Education*

A.B., Bridgewater College, 1921; A.M., University of Virginia, 1925, Ph.D., 1932; Graduate study, University of Illinois. (1937)

‡MARGARET F. MCCRIMMON, *Professor of Modern Languages*

A.B., University of Toronto, 1920; A.M., 1921; Graduate study, The Sorbonne, University of Montpelier. (1939, 1925)

DONALD M. ROCKWELL, *Professor of Chemistry*

B.S., University of Vermont, 1927; Ph.D., Yale University, 1932. (1939, 1932)

**THE FIRST date is that of appointment to present rank; a second date is that of original appointment, if different from the first.*

†*DECEASED, February 15, 1953.*

‡*ABSENT on leave, 1952-53.*

DONALD S. JOHNSON, *Professor of Music*

B.S., in Music Education, New York University, 1930; A.M., 1934; Graduate study, Christensen Choral School, Julliard School of Music; Organ study with T. Tertius Noble, Alexander McCurdy, Lilian Carpenter. (1945, 1944)

GERTRUDE L. BUTLER, *Professor of Home Economics*

B.S., Keuka College, 1926; B.S., Juniata College, 1931; A.M., Columbia University, 1938. (1948, 1935)

MORLEY MAYS, *Professor of Philosophy*

A.B., Juniata College, 1932; A.M., University of Pittsburgh, 1936; Ph.D., University of Virginia, 1948; Graduate study, University of Chicago. (1948, 1932)

TOBIAS F. HENRY, *Professor of Sociology*

A.B., Juniata College, 1926; B.D., Bethany Biblical Seminary, 1928; M.A., University of Pittsburgh, 1934; Ph.D., 1938. (1952, 1946)

RAYMOND T. DAVIS, JR., *Professor of Chemistry*

B.S., Virginia Polytechnic Institute, 1940; M.S., 1941; Ph.D., The Johns Hopkins University, 1944. (1952, 1946)

KENNETH W. CROSBY, *Professor of History*

B.S., Wilmington College, 1939; A.M., Haverford College, 1940; Ph.D., George Washington University, 1949; Graduate study, University of Havana. (1952, 1948)

GEORGE B. CLEMENS, *Professor of Modern Languages*

A.B., Juniata College, 1936; A.M., The Pennsylvania State College, 1941; Ph.D., University of Pennsylvania, 1949; Graduate study, Middlebury College. (1952, 1937)

*S. LEES BOOTH, *Professor of Economics*

A.B., Syracuse University, 1947; A.M., 1948; Ph.D., 1950. (1952, 1950)

S. EARL DUBBEL, *Assistant Professor of English*

A.B., Harvard University, 1912, A.M., 1913; Th.B., Princeton Theological Seminary, 1925, Th.M., 1926; Graduate study, Princeton University. (1926, 1915)

PAUL R. YODER, *Assistant Professor of Physics*

A.B., McPherson College, 1921; A.M., University of Kansas, 1922; Graduate study, Ohio State University, University of Pittsburgh. (1926)

HARRY H. NYE, *Assistant Professor of History*

B.Pd., Elizabethtown College, 1912; D.D., 1950; A.B., Franklin and Marshall College, 1915; A.M., University of Pennsylvania, 1916; Graduate study: Columbia University; Teachers College, Columbia University; Union Theological Seminary; Harvard University. (1930)

J. CLYDE STAYER, *Assistant Professor of Mathematics*

A.B., Juniata College, 1916; A.M., University of Pittsburgh, 1934; Graduate study, University of Pittsburgh. (1933, 1919)

*JACK E. OLLER, *Assistant Professor of Modern Languages*

A.B., Juniata College, 1923; A.M., The Pennsylvania State College, 1931; Graduate study, Dartmouth College, University of Grenoble, The Sorbonne, University of Mexico. (1933, 1927)

**Fall Term.*

FRANCES J. MATHIAS, *Assistant Professor of Home Economics*

B.S., Ohio State University, 1924; A.M., Columbia University, 1935; Graduate study, Merrill-Palmer School, Ohio State University. (1935)

PHILIP M. SNIDER, *Assistant Professor of Physical Education*

B.S., Juniata College, 1926; B.P.E., College of American Gymnastic Union (N.A.G.U.), 1930; M.Ed., The Pennsylvania State College, 1940. (1945, 1930)

ESTHER M. DOYLE, *Assistant Professor of English*

B.L.I., Emerson College, 1935; A.M., Boston University, 1940; Graduate study, Denver University, Boston University, Harvard University. (1947, 1945)

HERBERT A. MILLER, *Assistant Professor of Economics*

A.B., Lehigh University, 1926; M.B.A., Harvard University, 1928. (1949, 1946)

JACK D. BRAMMER, *Assistant Professor of Music*

A.B., Carnegie Institute of Technology, 1935; B.F.A., 1942; M.F.A., 1942; Graduate study, University of Pittsburgh, The Pennsylvania State College. (1949, 1948)

G. WAYNE GLICK, *Assistant Professor of Biblical Studies*

A.B., Bridgewater College, 1941; B.D., Bethany Biblical Seminary, 1946; A.M., University of Chicago, 1949; Graduate study, University of Chicago. (1950, 1948)

EVA HARTZLER, *Assistant Professor of Chemistry*

B.S., Juniata College, 1932; M.S., The Pennsylvania State College, 1933; Ph.D., 1950. (1950, 1937)

MILDRED A. TAUSCH, *Assistant Professor of Modern Languages*

A.B., University of Rochester, 1947; A.M., 1948; Graduate study, University of Wisconsin. (1952, 1948)

ALEXANDER S. BARTHA, *Assistant Professor of Biology*

B.S., Illinois Institute of Technology, 1947; M.S., Northwestern University, 1949; Graduate study, The Pennsylvania State College, Northwestern University. (1952, 1949)

HELEN L. FISHER, *Assistant Professor of Home Economics*

A.B., Wittenberg College, 1937; A.M., Teachers College, Columbia University, 1944; Graduate study, Cornell University. (1952, 1949)

MIRIAM A. SCHLEGEL, *Assistant Professor of Education*

B.S., Shippensburg State Teachers College, 1938; M.S., University of Pennsylvania, 1950. (1952, 1950)

A. WILLIAM ENGEL, JR., *Instructor in English*

A.B., The Pennsylvania State College, 1940. (1946)

WILLIAM R. SMALTZ, *Instructor in Physical Education*

B.S., The Pennsylvania State College, 1947. (1947)

*MARION B. THOMAS, *Instructor in Music*

B.M., Oberlin College, 1948; M.M., University of Michigan, 1949; Piano study with Alberto Jonás and Edward Steuermann. (1949)

**ABSENT on leave, 1952-53.*

PHILLIP E. BEDIENT, *Instructor in Mathematics*

A.B., Park College, 1943; A.M., University of Michigan, 1947; Graduate study, University of Michigan. (1950).

*I. NEWTON TAYLOR, JR., *Instructor in Economics*

A.B., Juniata College, 1926; LL.B., University of Pennsylvania, 1933. (1951)

ANNA S. BENJAMIN, *Instructor in Classical Languages*

A.B., University of Pennsylvania, 1946, A.M., 1947; Graduate study, American School of Classical Studies, Athens, Greece. (1951)

‡CHARLES G. PEARCE, *Instructor in Art*

B.S., Indiana State Teachers College, 1949; Graduate study, The Pennsylvania State College. (1952)

BARBARA J. COCHRAN, *Instructor in Physical Education for Women*

B.S., The Pennsylvania State College, 1952. (1952)

MARIE L. JAEGER, *Instructor in Music*

A.B., Ripon College, 1950; M.M., Cincinnati Conservatory of Music, 1952. (1952)

MARJORY LOCKWOOD JOSEPH, *Instructor in Home Economics*

B.S., Ohio State University, 1939, M.S., 1952. (1952)

WILSON W. KIMBROUGH, JR., *Instructor in Psychology*

A.B., University of Arkansas, 1948, A.M., 1949; Graduate study, University of Maryland. (1952)

JAMES F. PENNEY, *Instructor in Psychology*

B.S., Indiana State Teachers College, 1947; A.M., Ohio State University, 1948; Ed.D., Teachers College, Columbia University, 1952. (1952).

MARY J. PFOTENHAUER, *Instructor in Music*

B.M., University of Michigan, 1951; M.M., 1952. (1952)

JOYCE A. THOMAS, *Instructor in Modern Languages*

A.B., University of New Hampshire, 1950; Graduate study, University of Kansas. (1952)

EDWARD F. YURICK, *Instructor in History*

A.B., Ohio State University, 1949, A.M., 1951. (1952)

†THOMAS J. NOLAN, *Instructor in Economics*

A.B., King's College, 1951; Graduate study, The Pennsylvania State College. (1953)

‡DAVID J. HEIM, *Instructor in Biblical Studies*

A.B., Susquehanna University, 1944; B.D., Colgate-Rochester Divinity School, 1946. (1953)

**PART-TIME, Fall Term.*
‡*PART-TIME, Spring Term.*
†*SPRING Term.*

INSTRUCTIONAL ASSISTANTS

JOSEPHINE GRAHAM ARTMAN, *Home Economics*

MARIE PANGBORN BEDIENT, *English*

DOROTHY METCALFE CLEMENS, A.B., *English*

T. ARNOLD GREENE, D.D.S., *Physical Education*

WILLIAM E. SCOTT, B.S., *Physical Education*

STANDING COMMITTEES

CURRICULUM—The Dean of the College, *Chairman ex-officio;* The Chairmen of the Divisions; The Registrar, *Secretary ex-officio.*

STUDENT COUNSELLING—Dean Penney, *Chairman;* Dean Mays, Mr. Brumbaugh, Acting Dean Dove, Mr. Engel.

LIBRARY—Mrs. Hettinger, *Chairman;* Professors Rockwell, Butler, Booth, and Clemens; Assistant Professor Dubbel.

STUDENT ACTIVITIES—Acting Dean Dove, *Chairman;* Dean Penney, Professor Crosby, Mr. Engel, Mr. Bedient.

PHYSICAL EDUCATION—Assistant Professor Oller, *Chairman;* Professor Kiracofe, Assistant Professors Stayer and Snider, Mr. Smaltz, Miss Cochran.

ADMISSIONS—Mr. Newcombe, *Chairman;* Dean Mays, Mr. Brumbaugh.

RELIGIOUS ACTIVITIES—Assistant Professor Glick, *Chairman;* Professors Johnson and Henry, Assistant Professor Yoder.

SCHOLARSHIPS—Dean Mays, *Chairman;* Mr. Brumbaugh, Mr. Fike, Dean Penney, Acting Dean Dove, Assistant Professor Hartzler.

PUBLICATIONS—Professor Binkley, *Chairman;* Mr. Brumbaugh, Mr. Engel.

PUBLIC PROGRAMS—Assistant Professor Doyle, *Chairman;* Professor Johnson, Assistant Professors Glick and Schlegel.

FACULTY CLUB—Assistant Professor Brammer, *Chairman;* Assistant Professor Bartha, *Treasurer;* Assistant Professors Yoder, Hartzler, and Tausch, Miss Johnston.

STUDENT SENATE REPRESENTATIVES—Dean Penney, Acting Dean Dove, Professor Crosby.

SECRETARY OF THE FACULTY—Professor Davis.

FACULTY MARSHALL—Professor Will.

HEAD USHER—Assistant Professor Snider.

Degrees and Honors

January 28, 1952

BACHELOR OF ARTS

Dore, Joyce Snyder ..... Mapleton Depot

BACHELOR OF SCIENCE

Dolak, Stephen William ..... Huntingdon
Felix, Glenn Allen ..... Ebensburg
Hanson, William Albert ..... New Rochelle, N. Y.
Hoff, Alethea Nadine ..... New Windsor, Md.
Hulgus, Joseph Frederick ..... Colver
Shoop, John Robert ..... Huntingdon
Stewart, Sarah M. ..... Bellwood

June 2, 1952

DOCTOR OF LETTERS—*Honorary*

Charles Marlyn Steese ..... Harrisburg

DOCTOR OF LAWS—*Honorary*

Mary Jane Wyland ..... State College

BACHELOR OF ARTS

Alleman, Marjorie Elizabeth ..... Philadelphia
Bowser, Harold Lloyd ..... New Enterprise
Brumbaugh, Robert Books ..... Camp Hill
Chiodi, Josephine Louise ..... Hot Springs, Va.
Dickey, Jack Sherman ..... Berlin
Dolnikowski, George Timothy ..... Huntingdon
Giordano, James Alphonso ..... Spring City
Grove, Kathleen Joyce ..... Hesston
Grover, Earle Heidelbaugh ..... Ephrata
Heistand, Hobart Hertzler ..... Harrisburg
Johnson, Clyde Judson ..... Somerset
Kanode, Ruth Ella ..... Martinsburg
Keim, Robert Merle ..... Hollsopple

Kulp, Philip Masterton ..... Huntingdon
Kurtz, Nancy Nelle ..... Mount Union
Masemer, Virginia Irene ..... York
Miller, Harvey Milford, Jr. ..... Maugansville, Md.
Miller, Lois Elaine ..... Tuckahoe, N. Y.
Reid, Ruth Esther ..... Forty Fort
Seidel, Marjorie Elizabeth ..... Wyomissing
Sharp, Joan Marie ..... Merchantville, N. J.
Streiner, James Seymour, Jr. ..... Pitcairn
Taylor, Mary Lucille ..... Spring Grove
Thomasberger, Joseph John ..... Johnstown
Treese, Donald Howard ..... Williamsburg
Volpitto, Robert Arthur ..... Johnstown
Wiley, Roger Conant, Sr. ..... Huntingdon
Wright, Eleanor Kay ..... Johnstown

BACHELOR OF SCIENCE

Allen, Arthur Bowman ..... Greensburg
Armentrout, Ruth Elinor ..... Harrisonburg, Va.
Baker, Flora Jane ..... New Enterprise
Bandurak, Walter ..... Natrona
Barksdale, Jo Ann ..... Chatham, N. J.
Barnes, Miriam Virginia ..... Hanover
Barnes, Sylvia Ann ..... Pittston
Boland, Janet Stimpson ..... West Orange, N. J.
Bratton, Frederick William ..... McVeytown
Carpenter, Betty Flory ..... Harrisburg
Carpenter, William Edwin ..... Philadelphia
Clarke, Mary Jo ..... Barnesboro
Conrad, William Lloyd Baron ..... Huntingdon
Cruser, George Edwin ..... Princeton, N. J.
Cunningham, William Charles ..... Huntingdon
Custer, Caryl Virginia ..... Johnstown
Dell, Peggy Louise ..... Mount Union
Detrick, Earl Patrick ..... Wyoming
Eicher, William Russell ..... Scottdale
Gates, John Edward ..... Huntingdon
Gray, Paul Martin ..... Huntingdon
Green, Thomas Joseph, Jr. ..... Burlington, N. J.
Greene, Carrie Louise ..... Middletown
Griffin, Gertrude Virginia ..... Philadelphia
Hatala, Robert John ..... Duquesne
Hausman, Ronald Austin ..... Maplewood, N. J.
Houtz, Harry Edward, Jr. ..... Huntingdon
Hummer, Dorothy Johns ..... Ephrata
Hyre, Betty Louise ..... Hyndman
Keller, Sarah Elizabeth ..... Cumberland, Md.

Keeney, Galen Eugene ..... Gettysburg
Kuhn, Phyllis Jean ..... Scottdale
Kulp, Phyllis Naomi ..... Pottstown
Learn, Robert Newell ..... Laceyville
Link, Jeanne Viola ..... Kenmore, N. Y.
Longwell, Betty Louise ..... Tyrone
McKee, Mary Louise ..... Johnstown
Malenke, John R. ..... Parkerford
Martin, Neil Douglas ..... Colver
Needy, Charles Frederick ..... Rouzerville
Nell, Shirley Mae ..... Harrisburg
Nolan, Clare Marie ..... Brooklyn, N. Y.
Robinson, Lois Jean ..... Abington
Rothenberger, Jack Renninger ..... Boyertown
Royer, Chester Holmes ..... Huntingdon
Sherman, Constance Louise ..... Ebensburg
Sinclair, Norma Gene ..... Huntingdon
Siren, Raymond Lewis ..... Donora
Smith, Miriam May ..... McAlisterville
Warner, Barbara Joan ..... Lynchburg, Va.
Wass, Stanley ..... Clarksburg
Weaver, Esther Verdene ..... Windber
Webber, Anne Elizabeth ..... Caldwell, N. J.
Yoder, Iva Lou ..... Mill Creek

August 22, 1952

BACHELOR OF ARTS

Duvall, M. Adalyne ..... Bangor
Jones, Robert Raymond ..... Mapleton Depot
McCorkle, Melvin Douglas ..... Altoona
Schroeder, Paul Daniel ..... Cherry Tree
Sease, Gene Elwood ..... Portage
Severn, Frank ..... Huntingdon

BACHELOR OF SCIENCE

Baugher, Portia Beulah ..... York
Black, Glenn Ellsworth ..... Broad Top
Creps, James Richard ..... Baltimore, Md.
Fowler, Earl Edward ..... Lewistown
Gomeringer, Chester Boyd ..... Penns Grove, N. J.
Kyper, Kenneth Duane ..... Huntingdon
Loetzbeier, Marjorie Elizabeth ..... Scottdale
Potter, Helen Naomi ..... Huntingdon
Sames, Robert Harvey ..... Pleasantville, N. J.
Stinson, Margaret Doolittle ..... Huntingdon
Stroup, Theodore Stanley ..... Lewistown

Academic Honors

June 2, 1952

SUMMA CUM LAUDE
Neil Douglas Martin

MAGNA CUM LAUDE
James Alphonso Giordano
Joan Marie Sharp
Donald Howard Treese

CUM LAUDE
Marjorie Elizabeth Alleman
Lois Elaine Miller
Raymond Lewis Siren

Prizes

June 2, 1952

BRUMBAUGH SCIENCE PRIZE
Neil Douglas Martin

JUSTINA MARSTELLAR LANGDON PRIZE
Constance Louise Sherman

WOMEN'S WORK COUNCIL AWARD
Esther Verdene Weaver

STANFORD MICKLE ATHLETIC AWARD
Robert Merle Keim

DR. IRVIN D. METZGER ARTS AND LANGUAGES PRIZE
Marjorie Elizabeth Alleman

WILLIAM S. PRICE SOCIAL STUDIES PRIZE
James Alphonso Giordano

Dean's List of Distinguished Students

Spring Term, 1951-52	*Fall Term, 1952-53*
George F. Blechschmidt	Mark E. Beech
Ronald L. Cherry	Ronald L. Cherry
Margaret A. Hershey	George A. Condos
Jean C. Hostetter	Charlotte L. Detwiler
Betty L. Longwell	Galen R. Frysinger
John H. Martin, Jr.	Joyce E. Hardesty
N. Douglas Martin	Margaret A. Hershey
Benton M. Newcomer	J. Scott Hommer, Jr.
Wilfred G. Norris	Thomas M. Hoover
Joyce E. Rinehart	Phyllis R. Link
Judith A. Shanabrook	Wilfred G. Norris
Joan A. Sharp	Alfred P. Nyce
Carol M. Shoemaker	Joyce E. Rinehart
Margaret D. Stinson	Helen M. Sell
Audrey C. Weber	Jack W. Walter
Iva Lou Yoder	John T. Yates

Register

CLASS OF 1953

Name	*Home Town*
Abel, Jane	Plainfield, N. J.
Asan, Robert Peter	Sewickley
Bailey, Robert William	Johnstown
Barth, Joan D. (Kough)	Saltillo
Bayer, David Arthur	Woodbury, N. J.
Bowker, Richard Thomas	East Orange, N. J.
Bracken, Donald Wayne	Johnstown
Brandt, Elizabeth M.	Lebanon
Brown, Robert D.	Barnesboro
Bruno, Nick Thomas	New Kensington
Byers, Samuel S.	Coatesville
Casteel, Jo Anne Siemon	Greensburg
Champion, Robert L.	Pleasantville, N. J.
Cherry, Ronald Laird	Lewistown
Cheslock, Donna Huston	Philadelphia
Clark, Sidney Gilbert	Claysburg
Condos, George Augustus	Maple Shade, N. J.
Crim, Bessie May	Bellefontaine, Ohio
Davis, John T.	Huntingdon
Davis, L. Dean	Huntingdon
Diemer, Wesley Emmett	Royersford
Dively, Elizabeth Ann	Bellwood
Dodge, Frederick A.	High Bridge, N. J.
Folk, Robert Harold	Mt. Penn, Reading
Formwalt, Eleanor Ruth	Hanover
Fowler, Raymond H.	Lewistown
Frederick, Harold Louis	Souderton
Frye, Jesse Rudolph	Mount Union
Frye, Roberta Newsome	Huntingdon
Frysinger, Galen Royer	Harrisburg
Fulton, Della Cornelia	Cumberland, Md.
Galbraith, J. Urlene	Shirleysburg
Gaughler, Rhoda Clemmer	Souderton
Gingrich, Dorothy A.	Lebanon
Good, J. Paul	Youngstown, Ohio
Hackett, David M.	Lampeter
Halicke, Philip V.	Chicago, Ill.
Halkovich, Herbert A.	Windber
Heinicke, Gerald W.	Ivyland
Hetrick, Bradley W.	Hesston
Hollinger, Richard W.	Annville
Hoover, Thomas Meredith	Huntingdon
Hostetler, Lena	Belleville
Hower, Robert Stanley	Port Royal
Ikeda, May S.	Seabrook, N. J.
Jarrett, Franklin	Huntingdon Valley
Keener, Harold Glen	Indiana
Kisel, John G.	Throop
Knutsen, June Owen	Pleasantville, N. J.
Kuhn, Leo F.	Hollidaysburg
Lape, Barbara Ann	Johnstown
Lamkie, N. Joan	Indiana
LeFevre, David Earl	Hanover
Lilly, J. Bernard	Huntingdon
Link, Phyllis Rosanna	Johnstown
Long, William D.	Six Mile Run
McGuire, Edwin Blair	Watchung, N. J.
Metz, Mervin N.	Huntingdon
Miller, William H.	Lewistown
Monks, Elizabeth Ann	West Orange, N. J.
Morello, Patsy	Tyrone
Mould, Robert S.	Baldwin, N. Y.
Muchoney, Robert J.	Greensburg
Newcombe, George P.	Huntingdon
Newlin, Lloyd Herman	Saltillo
Norris, Philip E.	Ambler
Pastuszek, Michael T.	Chester
Patterson, William B.	Bedford
Peightel, Marjorie A.	Huntingdon
Pelan, John Francis	Huntingdon
Pentz, Joanne Marie	Pottstown
Petre, Martha Rebecca	Hagerstown, Md.
Potteiger, John	Williamsburg
Richman, John C.	Wenonah, N. J.
Rogers, Nancy Ellis	Pen Argyl
Scott, A. Lee	Orbisonia
Segalavich, Anthony	McKees Rocks
Shanabrook, Judith	Hanover
Sharbaugh, Russell	Stroudsburg
Sheriff, Ralph W.	Bellwood
Shoemaker, Carol	Ambler
Sieber, Richard	Mifflintown
Sikes, Donald Richard	Salem, N. J.
Snively, Barbara	Waynesboro
Sollenberger, Carmon	Curryville
Staude, Jean	Telford
Stephens, Nancy Lee	Johnstown
Swaim, William E.	Cumberland, Md.
Taylor, Dott T.	Sinnemahoning
Towns, Charles J.	Pittsburgh
Trotta, Rose Mary	Mt. Union
Ulsh, Jack Lee	Lakemont, Altoona
Van Tries, Howard A.	Altoona
Vasbinder, Donna I.	Ebensburg
Wagoner, Robert E.	Johnstown
Walker, Joan L.	Hatfield
Walter, Jack Wilber	Claysburg
Wenger, Janice Louise	Quentin
Wiltshire, Janet	Moorestown, N. J.
Winger, Anna Kathryn	Greencastle
Woods, Donald Earl	Confluence
Yohn, Virginia N.	New Windsor, Md.
Young, Eugene Richard	Mt. Union

CLASS OF 1954

(Classification effective Fall Term, 1952)

Name	*Home Town*
Adams, Betty Jane	Youngwood
Aldinger, Robert E.	York
Allcorn, David K.	Orbisonia
Appleby, Thomas M., Jr.	Huntingdon
Bamforth, Leilah Rae	Dallastown
Barefoot, N. Fred	Duncansville
Barrington, Margaret Anne	Pennsauken, N. J.
Beck, Jeanne Louise	Punxsutawney
Berkebile, Paul Ernest	Rockwood
Bernard, Joyce Lewis	Allentown
Blanck, Nancy D.	Magnolia, N. J.
Blechschmidt, George F.	Cressona
Bramhall, Diane	Belleville, N. J.
Bratton, Lois Ada	McVeytown
Brightbill, Marian A.	Gloucester, N. J.
Brumbaugh, Betti Lois	Glenn Dale, Md.
Brumbaugh, Peggy	Chevy Chase, Md.
Butts, Joyce Edna	Martinsburg
Carfora, Juanita	Toms River, N. J.
Carfora, Lolita	Toms River, N. J.
Chamberlain, Beverly Ann	Williamsburg
Chase, Emma Joan	Philadelphia
Cherok, Tom Joseph	Verona
Chilcott, W. Ray, Jr.	Punxsutawney
Clapper, Ronald G.	Altoona
Cloud, Bruce L.	Philadelphia
Cook, John A.	Greensburg
Dale, John Alexander	Curwensville
D'Eustachio, Anthony J.	Beverly, N. J.
Dubbel, Silas Earl, Jr.	Huntingdon
Duff, Norma Jean	Pleasant Unity
Dunbar, Charles Howard	Hancock, Md.
Dunmire, Arla Beryl	McVeytown
Engler, Edith	Woodside, N. Y.
Fahrney, Robert Hargest	Harrisburg
Ferguson, Margaret R.	Fort Washington
Finton, Abe M.	Mt. Carmel
Fish, Marjorie E.	Lakeside, Ohio
Flory, Robert Denton	Waynesboro
Freymuller, John Joseph	Stroudsburg
Garver, Jane Esther	Youngstown, Ohio
German, I. Louise	Windber
Gibbel, Mary Joyce	Lititz
Gilberti, Marie L.	Aliquippa
Gingrich, Paul Rinehart	Waynesboro
Griffith, Nelson George	Huntingdon
Hackman, Lowell David	Philadelphia
Hamor, Frederic W.	Harrisburg
Harlacher, Frank	Harrisburg
Hartman, Sylvia Ann	Roaring Spring
Henry, Maurice Andrew	Ambler
Hercules, David Michael	Altoona
Hilboky, John Richard	Johnstown
Holsopple, James Q.	Washington, D. C.
Hoover, Rayallen	Hollidaysburg
Hostetter, Jean C.	Mt. Union
Johnson, Theodore S.	Altoona
Kipp, Charles M.	Newport
Knox, Charles Robert	Sewickley
Koontz, Donald E.	Everett
Kuehne, Katherine D.	Merchantville, N. J.
Kulp, Naomi Jean	Red Lion
Landes, Robert Price	Souderton
Latulipe, Eleanor Jean	Torrington, Conn.
Lenhardt, Joan Ade	Downingtown
Leonard, Kenneth Marion	McConnellstown
Loschiavo, Vincent J.	Ambridge
Lowdermilk, Carol E.	Uniontown
McCahan, Nancy K.	Chester
McCartney, Georgia Jane	Huntingdon
McHenry, Raymond, Jr.	Ocean City, N. J.
McKeehan, Anna Mae	Huntingdon
McNeal, W. Clark, Jr.	Mifflin
Martin, Harry Joseph	Huntingdon
Master, John P.	Altoona
Mertz, Dorcas Jean	Northumberland
Metz, Martha K.	Allensville
Middlesworth, Richard	Altoona
Miller, Joseph Bennett	Cumberland, Md.
Moore, Robert E.	Huntingdon
Morris, Eleanore P.	Rushland
Mullan, Mary Joyce	Shepherdstown, W. Va.
Mullendore, Barbara S.	Hagerstown, Md.
Myer, Richard S.	Lebanon
Myers, Charles Vernon	Newton Hamilton
Neikirk, Mary Lou	Hagerstown, Md.
Newcomer, Benton M.	Uniontown
Norris, Wilfred Glen	Ambler
Ollweiler, Frank	Baldwin, N. Y.
Osswald, Hedwig	Jamaica, N. Y.
Pagana, Charles	Mt. Union
Petrusky, Bernard A.	Brisbin
Pfitzinger, James M.	Springfield, N. J.
Richard, Robert Eugene	Lewistown
Rocco, Nick Anthony	Ellwood City
Rosenberger, W. Clemens	Narberth
Rosengren, Helen Anne	Philadelphia
Rutherford, Carl Nelson	McVeytown
Shearer, Mary Elizabeth	Richmond Furnace
Sheetz, Kenneth Harry	Warfordsburg
Shoop, Nell F.	Mapleton Depot
Silldorff, Dagmar	Lebanon
Simon, Robert	Kennywood
Slonaker, Nancy Louise	East Freedom
Smith, Betty Lou	Bedford

Name	Home Town
Smith, Patrick L.	Saxton
Stewart, Mary Jane	Huntingdon
Straughen, William J.	Penn's Grove, N. J.
Stutzman, Helen Clare	Johnstown
Sulanke, E. Ann	Waynesboro
Tait, Jeanie Wallace	Roslyn
Talbot, Edith	Philadelphia
Taylor, Millard Renshaw	Summit, N. J.
Telfer, Keturah Esther	Doyles Mills
Thompson, Charles R.	Bellefonte
Van Siclen, Howard E.	Fanwood, N. J.
Vaughn, Nancy Alice	Huntingdon
Veals, Marian Elizabeth	Carney's Point, N. J.
Weber, Audrey Christine	Erie
Weyandt, William B.	Hollidaysburg
White, William Blaine	Huntingdon
Wian, Fred	Lewistown
Widdowson, Wilda Grace	Penn Run
Wright, Lawrence R.	Merchantville, N. J.
Zimmerman, Francis W.	Annville
Zook, Rena Elaine	Rothsville

CLASS OF 1955

(Classification effective Fall Term, 1952)

Andrews, Anne Dorothy	Framingham, Mass.
Arasin, Frank William	Paxinos
Bailey, Mary Ann	Johnstown
Baker, Barbara Jean	Waterside
Barefoot, Richard Walter	Duncansville
Bearinger, Martha Jane	Pitcairn
Binkley, Roderick Owen	Huntingdon
Bottomley, Donald Thomas	Merchantville, N. J.
Bopp, Jo Ann	Cumberland, Md.
Boulton, James Norman	Burlington, N. J.
Braunwarth, William N.	Summit, N. J.
Bridenbaugh, Robert P.	Martinsburg
Brocker, Mildred G.	Newfield, N. J.
Brumbaugh, Don B.	Martinsburg
Brumbaugh, Frank Sammy	Pen Argyl
Brumbaugh, William R.	Duncansville
Bubeck, Kaydonna S.	Schuylkill Haven
Burket, Glenn Eugene	Martinsburg
Cannon, Alice Jo	Barnesboro, N. J.
Claycomb, Janet Pauline	Johnstown
Cline, Clara Janet	McConnellsburg
Conly, Frank	Wyncote
Cook, Richard Scott	Greensburg
Corson, John Chilcote	Mt. Union
Coulomb, Sally A.	Philadelphia
Croft, Donna Jeanne	Bedford
Darrell, Dorothy A.	Delanco, N. J.
Davis, Erma Irene	Pittsburgh
Davis, Helen Phyllis	Huntingdon
Deegan, Dennis Irvin	Huntingdon
Detwiler, Charlotte L.	Roaring Spring
Detwiler, Shirley Ann	Roaring Spring
Diefenbacher, Frederick	Orange, N. J.
Dilling, William Allen	Roaring Spring
Dunmire, David Rambler	McVeytown
Edwards, Sherill Alan	Tyrone
Elliott, Barbara J.	Parker Ford
Englehart, Lila Lee	Lewistown
Feight, Joann Delores	Everett
Felix, Gene A.	Ebensburg
Forney, M. Allegra	Martinsburg
Fowler, Polly Jane	Woodbury, N. J.
Furry, Eleanor R.	Everett
Galushko, Dragica L.	Vineland, N. J.
Garner, Harriet Irene	Huntingdon
Garrison, William E.	Lewistown
Glassmyer, Louise M.	Chester Springs
Godshall, Richard W.	Souderton
Godshall, Robert W.	Souderton
Gray, Harold, Jr.	Pleasantville, N. J.
Grim, Barbara Ann	Hanover
Grove, Walter Remle	Haddon Heights, N. J.
Haines, Warren Arthur	Milroy
Hall, James L.	Huntingdon
Harris, Herbert Koffel	Souderton
Haussler, Elsie M.	Philadelphia
Henry, Patricia Jane	Philadelphia
Hershey, Margaret Ann	Lititz
Heydrick, Fred P.	Clearfield
Hill, Russell Allen	Orange, N. J.
Hinish, Joseph Allan	Curryville
Hommer, J. Scott, Jr.	Tyrone
Hutchison, Richard C.	Mt. Union
Ikeda, Richard M.	Seabrook, N. J.
Irvin, Joan Helen	Perryopolis
Jackson, Mary Kathryn	Jersey Shore
Jamison, Suzanne E.	Plainfield, N. J.
Jara, Henry Raymond	New Wilmington
Jaymes, John Bruce	Mt. Union
Kazaoka, Katsushige	Seabrook, N. J.
Kettering, Dorothy L.	Lebanon
Kleist, Shirley Jane	Collingswood, N. J.
Knepper, Telford Duane	Loysburg
Krouse, Donald Harry	Huntingdon
Law, Herbert Sidney	Lilly
Lawson, Lemuel R.	Dallastown
Lewis, June Ann	Cochranville
Linn, Urania Belle	Washington
Lockhart, Jean	Smicksburg
Ludwick, Janice Elaine	Royersford

Name	Home Town
McDermott, Edward F.	New York, N. Y.
Markel, Gene A.	Glen Rock
Markey, Doris Irene	Johnstown
Martin, John Herbert	Huntingdon
Meloy, Thomas Robert	Huntingdon
Mick, Audrey E.	Pitcairn
Mishler, Dwight Wayne	Johnstown
Moist, Joseph F.	Lewistown
Motisher, Robert C.	Woodstown, N. J.
Myers, Charles Kenneth	Loysburg
Myers, Miriam Mary	Carlisle
Natale, Phyllis Rita	Mt. Union
Neikirk, Gerald R.	Hagerstown, Md.
Oakman, Donald Meade	Huntingdon
O'Brien, George Joseph	Huntingdon
Over, Anna Lee	Roaring Spring
Peck, Reta Marie	Meyersdale
Pollock, David Eugene	Berwick
Pollock, Jo Anne	Springfield
Pote, George Galen	Roaring Spring
Replogle, Daniel Merrill	Altoona
Rinehart, Joyce E.	Westminster, Md.
Roach, Gail	Washington
Rollman, Roy Harold	Beverly, N. J.
Roof, Vada Jean	Marion Center
Rothenberger, Gene R.	Boyerstown
Runnion, Jean Elinor	Philadelphia
Schetrompf, George W.	Mapleton Depot
Schrock, Stanley Lowell	Somerset
Sevick, Myron Eugene	McKees Rocks
Shchirow, Anastasia	Hesston
Snively, Jeanne Marie	Media
Somers, Thomas K.	Mount Union
Spangler, Neil Austin	Stoystown
Stauffer, Dorothy Mae	Pottstown
Stever, George Rosswell	Tyrone
Suter, Harry Joseph	New Enterprise
Targan, Donald Gilmore	Atlantic City, N. J.
Taylor, Rolland H.	Huntingdon
Thomas, Charles William	Johnstown
Tobin, Joseph F.	Frackville
Turner, Patricia Louise	Cranford, N. J.
Vernail, Jerry Andre	Irwin
Veto, Joseph Paul	McKees Rocks
Vineburg, Harry Lee	Long Branch, N. J.
Walters, Marilyn Elaine	Mt. Penn, Reading
Wampler, Francis M.	Pottstown
Werzberger, Solomon	Huntingdon
Whitsel, M. Evelyn	Milroy
Williams, Charles E.	Saxton
Wills, Everet L., Jr.	Riverton, N. J.
Wilson, Doris Irene	Haddon Heights, N. J.
Winans, Harry P.	Brooklyn, N. Y.
Winans, William Matthew	Brooklyn, N. Y.
Woods, Freda Ethel	Confluence

CLASS OF 1956

(Classification effective Fall Term, 1952)

Abrahamson, Carol J.	Hightstown, N. J.
Aitken, Elaine M.	Clover
Albright, Neil Roy	Madera
Allen, Edward Francis	Indiana
Apple, Donna Lorraine	Altoona
Appleby, David Ronald	Huntingdon
Aurand, Frederick D.	Huntingdon
Ayers, Richard Charles	Tarentum
Barclay, Joanne	Petersburg
Bayley, Francis Louis	Springfield, N. J.
Beabes, Lona Louise	Somerset
Beatty, Betty Ann	Philadelphia
Bechtel, Robert Bing	Lebanon
Bechtel, Ronald Gene	Roaring Spring
Beckley, James Hall	Donora
Beech, Mark Eugene	Somerset
Beers, Ann Wagner	Mount Union
Biddle, Gene Arnold	Roaring Spring
Birmingham, Keith John	Coraopolis
Black, Clyde F.	Arona
Blend, Jeanne Louise	East McKeesport
Bolton, John Edward	Greensburg
Bowser, Jay Elton	Kittanning
Bridenbaugh, Mary Jane	Martinsburg
Briner, Maurice	Reedsville
Brumbaugh, Bonnie E.	Williamsburg
Buffoni, Thomas J.	Ebensburg
Burns, Patrick Joseph	West Orange, N. J.
Butler, James Leon	Roaring Spring
Cale, Norma Jean	Philadelphia
Campellone, Frank M.	Philadelphia
Cape, Larry Allen	Norwood
Cartwright, Raymond W.	Altoona
Ciarrocca, Carmen J.	Rockhill Furnace
Collins, William J.	Orbisonia
Confer, Larry Lee	Muncy
Conley, Donald Charles	McKees Rocks
Corle, G. Edward	Johnstown
Corrie, Thomas Lee	Huntingdon
Criswell, John Ellis	James Creek
Crowley, William Bruce	New Kensington
Crum, Robert M.	Mt. Union
Cummins, James Albert	Huntingdon
Cunefare, Nancy Mae	McClure
Custer, Boyd Hilaire	Hooversville
D'Agostino, Ben David	Ardmore
Davis, Dewey Donald	Ardmore
DeFrehn, Jeanne Shirley	Clayton, N. J.

Name	Home Town
DeRusso, Frank J.	Philadelphia
Dilling, Ronald Eugene	Martinsburg
Dolce, Robert Hugo	Burlington, N. J.
Douds, Forrest M.	McKees Rocks
Drexler, Barry Lee	McKees Rocks
Drummond, Margaret R.	Salem, N. J.
Ehly, Barbara Ann	Pottstown
Ellenberger, Jane I.	Pennsylvania Furnace
Elting, Constance H.	Roseville, Michigan
Eshelman, Vera Lucille	Everett
Estep, Harold, Jr.	Mount Union
Evans, Jeannine Lila	Duncansville
Fahrney, David L.	Frederick, Md.
Fibus, Carole Lee	Baltimore, Md.
Fisher, Robert A.	Honey Grove
Flick, Howard Eugene	Rimersburg
Fogle, Dorothy L.	Shirleysburg
Fox, M. LeRoy	Riddlesburg
Freed, Nancy Fern	Telford
Froisland, Torry H.	West Orange, N. J.
Fulton, Robert Blair	Avonmore
Fusco, Richard Jay	Perkasie
Fyock, A. Doreen	Johnstown
Garber, Harry C.	Pennllyn
Garlitz, Edward H.	Somerset
Garnett, Blynn Esther	Bellaire, N. Y.
Getty, Robert George	Cherry Tree
Gill, Richard E.	Huntingdon
Golden, John Charles	Bordentown, N. J.
Good, James Edward	Mt. Union
Gottlieb, Robert S.	Philadelphia
Graffious, William	Defiance
Graves, Barbara J.	Merion Station
Gross, Charles John	Oil City
Hallman, S. LeRoy	Pottstown
Handzelek, Jacob C.	Macanaqua
Hardesty, Joyce E.	Greensburg
Harkless, Lloyd B.	Altoona
Harshbarger, Carolyn	Harrisburg
Hartline, Lamar Gene	Boyertown
Hartsock, Susan E.	Hagerstown, Md.
Hassinger, Joan	Greensburg
Hatfield, A. George	Carlisle
Haushalter, William	McKees Rocks
Hawbecker, Elsie M.	Waynesboro
Heart, Paul Andrew	Waynesboro
Heil, Lala Mae	Coalport
Heinbaugh, A. Louise	Confluence
Heller, Nan E.	Duncansville
Hershberger, Mary J.	New Enterprise
Hill, William Maas	Sellersville
Hoffman, Alice Jean	Somerset
Hoffman, Jane Winslow	Shamokin
Holsinger, Eloise	Johnstown
Holzshu, Barbara Ann	Murraysville
Hoover, Jane Lenore	Altoona
Howard, Donna Mae	Johnstown
Hunt, James Donald	Johnstown
Inouye, June Kuniye	Seabrook, N. J.
Kaylor, Elwood Bryan	Orbisonia
Keeler, Kathryn E.	Harleysville
Kellogg, Kathleen	Millington, N. J.
Kerstetter, Howard	Shamokin
Kieferle, Dawn A.	Lewistown
Kitchen, Rebecca A.	McEwensville
Knapp, Joan Patricia	Jerome
Knight, Nancy Anne	Hagerstown, Md.
Koontz, John Ellis	Everett
Kruzelock, Jack M.	Fair Oaks
Lashlee, Ernest Leon	Washington, D. C.
Latting, Elizabeth W.	Warner, N. H.
Leatherman, Nancy	Perkasie
Lehman, Mary Louise	Waynesboro
Leiter, Anna Mary	Smithburg, Md.
Lentz, Marjorie	North Irwin
Leventry, L. Louise	Elton
Lingenfelter, C. Wesley	East Freedom
Livingston, Vivian Fae	Alverton
Lukinov, Nikolaj	Deans, N. J.
Lutz, Fred Allen	Mt. Carmel
McCardle, Patricia L.	Lewistown
McKinley, J. Bruce	Cambria Heights, N. Y.
Mackey, John Milford	Canonsburg
Marker, Carol Bertha	Princeton, N. J.
Martin, Charles Minick	Chicago, Ill.
Maslanik, Gerald James	Dudley
Merklinger, Joan Elaine	Waynesboro
Merroth, Caroline E.	Malvern
Mertz, Janice Epler	Northumberland
Miller, Paul Richard	Alloway, N. J.
Milliron, Faith Marie	Ramey
Mills, Robert James	Huntingdon
Mitchell, Z. Elvador	New Paris
Mohney, Edward Long	Claysburg
Montgomery, Bruce B.	Merion
Morgan, Ronald K.	Ligonier
Morrison, Paul Thornton	Media
Mosser, Amos Franklin	Claysburg
Moyer, Forrest Confer	Altoona
Mullen, Charles Francis	Altoona
Mumma, Ralph Orris	Mechanicsburg
Murphy, Richard Alvin	Curwensville
Nevin, Nancy Ann	Merion
Nicholas, Bradley Eugene	York
Nyce, Alfred Price	Lansdale
Oriss, Bernard Michael	North Braddock
Parker, Lois A.	Huntingdon
Patterson, Geraldine O.	Fairmont, W. Va.
Peters, Violet Mary	McClure
Peterson, Sylvia Jane	Clearfield
Pfrogner, Ray Long	Somerset
Pheasant, Donald John	Mill Creek
Phennicie, Barbara Ann	Garrett
Phillips, Nancy Filer	Sag Harbor, N. Y.
Piazza, Vincent D.	Pittsburgh

Name	Home Town
Pielstick, Elinor Ann	Madison, N. J.
Pilutik, Claudia	Belgrade, Yugoslavia
Port, George Chal	Huntingdon
Raab, Evelyn	Fountainville
Rabne, Robert Paul	Ebensburg
Raffensperger, Daniel	Elizabethtown
Reed, Paul Andrew	Lewistown
Richards, Gerald Wayne	Philadelphia
Ripper, Robert Martin	Pittsburgh
Roos, Virginia Irma	Ridgewood, N. J.
Rosenberger, Nancy E.	Narbeth
Rosevear, Malvin Curtis	Alexandria
Rowland, Jean	Jefferson
Schwartz, Joan Welker	Moorestown, N. J.
Sell, Helen Margaret	Altoona
Sheaffer, Connie Lee	Mount Union
Shockey, Lindley	Hagerstown, Md.
Shreiner, Philip Albright	Lansdale
Shuler, Sylvia Ellen	Huntingdon
Shull, William F.	Waynesboro
Simons, Edward E.	Feasterville
Sims, Margaret Ruth	Turtle Creek
Singer, James Allen	Altoona
Skinner, Alma Harris	West Whiteland
Smith, Melba Joyce	Waynesboro
Smith, Shirley L.	Huntingdon
Smith, William Z.	Waynesboro
Snyder, Jean Louise	Loysburg
Stayer, Robert Byron	New Kensington
Stilley, William B.	Mt. Union
Stupka, James N.	Rimersburg
Stutzman, Louis D.	Homer City
Summy, Jane E.	Elizabethtown
Suter, Carroll E.	New Enterprise
Svitil, Edward E.	North Braddock
Swartz, M. Aileen	Newville
Swyers, Barbara Ann	Yeagerstown
Tarquinio, Pasquale M.	McKees Rocks
Taylor, Ralph M.	Six Mile Run
Thomas, Evan Gower	Camp Hill
Torton, T. Patricia	Atlantic City, N. J.
Treible, Edwin S.	Stroudsburg
Trimber, Carl Edward	Coraopolis
Ulsh, Stephen Bryant	Burnham
Underkoffler, Kitty	Bedford, N. Y.
Vanderbush, Walter A.	West Orange, N. J.
Volk, Philip Dale	Irwin
Walizer, Glenn Hugh	Bellefonte
Watson, Mary Virginia	Collingswood, N. J.
Wertsch, Chester Leo	Lititz
West, William James	Huntingdon
Wilkins, O. William	Riddlesburg
Winterstein, John E.	Shickshinny
Woy, Margaret Ann	Everett
Wright, Gail D.	Wynnewood
Wright, Gerald Norman	Huntingdon Valley
Yates, John Thomas	Hagerstown, Md.
Yerzyk, William Paul	Ambridge
Yesko, Ann Marie	Erie
Young, Carolyn E.	Glenshaw
Zonies, Cynthia Ane	Penns Grove, N. J.

UNCLASSIFIED SPECIAL STUDENTS

Name	Home Town
Amatulli, Joseph Marie	Mount Union
Bange, Anne R.	Huntingdon
Barker, Imogene Clarice	Allensville
Beaver, Frances P.	McConnellstown
Binkley, Janet Lynn	Huntingdon
Bowser, Harold L.	New Enterprise
Brubaker, Allen G., Jr.	Altoona
Bulkley, Leland	Tyrone
Butler, Gertrude L.	Huntingdon
Donnelly, Barbara June	Huntingdon
Farrar, James Alfred	Houtzdale
Fenner, Barbara J.	Mifflintown
Fenner, Maynard S.	Mifflintown
Fink, Helen B.	Huntingdon
Fleming, John Zinn	Huntingdon
Hall, Martha Ross	Huntingdon
Heinicke, Jane Ray	Ivyland
Henry, John Jewett	Huntingdon
Hiemeyer, Volker	Augsburg, Germany
Hyre, Betty Louise	Hyndman
Isenberg, Bernice Grace	Huntingdon
Jackson, Cecil E.	Patton
Jones, Robert Raymond	Mapleton Depot
Keiper, John David	Pottstown
Krzemienski, Joseph Charles	Huntingdon
Kyper, Bernard A.	Huntingdon
Lowery, Patricia Phyllis	Mount Union
McElwee, Marian Sue	Huntingdon
Myers, Elizabeth	Huntingdon
Rhodes, Ruth R.	Huntingdon
Rothrock, Harry A.	Milroy
Schmucker, Alvin	Nappanee, Ind.
Shuler, Grace Madeira	Huntingdon
Speck, Bonnie Lou	Huntingdon
Stauffer, Lloyd Barton	Williamsburg
Stinson, Margaret D.	Huntingdon
Swigart, John W.	Huntingdon
Wagner, Harris N.	Huntingdon
Weaver, Barbara Jensen	Huntingdon
West, Mary Helen	Huntingdon
Wortman, George Earl	Lewistown
Wortman, Nellie R.	Lewistown
Yoder, Wave Irene	Huntingdon

SUMMER TERM—1952

Name	*Home Town*
Adams, Betty Jane	Youngwood
Baker, B. Jean	Waterside
Barclay, Joanne	Petersburg
Barker, Imogene C.	Allensville
Baugher, Portia B.	York
Beers, Anna Mae	Mount Union
Black, Glenn E.	Broad Top
Black, Ralph E.	Saxton
Bowser, Jay E.	Kittanning
Brandt, Elizabeth M.	Lebanon
Brown, Robert D.	Barnesboro
Brumbaugh, F. Sammy	Pen Argyl
Cherok, Thomas J.	Verona
Colross, Edward A.	Atlas
Cramer, Kathleen K.	Mount Union
Creps, J. Richard	Baltimore, Md.
Criswell, Harry E.	Hollidaysburg
Deegan, Dennis I.	Huntingdon
Dively, Elizabeth A.	Bellwood
Duff, Norman J.	Pleasant Unity
Duvall, Adalyne	Bangor
Fowler, Earl E.	Lewistown
Fowler, Polly J.	Woodbury, N. J.
Frain, Robert L.	Huntingdon
Frye, Jesse R.	Mount Union
Galbraith, J. Urlene	Shirleysburg
Garner, Harriet I.	Huntingdon
Gingrich, Dorothy A.	Lebanon
Gomeringer, Chester B.	Pennsgrove, N. J.
Grier, Thomas C.	Tyrone
Griffith, Nelson G.	Huntingdon
Haines, Warren A.	Milroy
Halkovich, Herbert A.	Windber
Hallman, Jack C.	Huntingdon
Hamor, Frederic W.	Harrisburg
Hartman, Elizabeth J.	Huntingdon
Henderson, M. Elizabeth	Huntingdon
Hershey, Margaret A.	Lititz
Hironimus, Leon F.	Davidsville
Hoover, Thomas M.	Huntingdon
Hostetler, S. Lena	Belleville
Hower, Robert S.	Port Royal
Hurley, Margaret E.	Huntingdon
Jackson, Cecil E.	Huntingdon
Jaymes, John B.	Mount Union
Johnson, D. Helene	Palmyra, N. J.
Kepner, Frederick F.	Mount Union
Kepner, Marjorie B.	Mount Union
Krouse, Donald H.	Huntingdon
Krzemienski, Joseph C.	Huntingdon
Kuhn, Leo F., Jr.	Hollidaysburg
Kyper, Kenneth D.	Huntingdon
Lashley, Anna B.	Everett
Leightley, Marian T.	Centre Hall
Lightner, Mary Jane	Petersburg
Loetzbeier, Marjorie E.	Scottdale
Long, John A., Jr.	Hagerstown, Md.
Lutz, Sara Y.	Huntingdon
McCorkle, Melvin D.	Altoona
Mahood, L. Jean	Coraopolis
Martin, John H., Jr.	Huntingdon
Mauery, James W.	Lewistown
Mierley, Robert M.	Cassville
Moist, Velma W.	Lewistown
Morello, Patsy	Tyrone
Mould, Robert S.	Huntingdon
Newsome, Roberta	Huntingdon
Oakman, Donald M.	Huntingdon
Over, Anna Lee	Roaring Spring
Patterson, William B.	Bedford
Petre, Martha R.	Hagerstown, Md.
Potteiger, John F.	Williamsburg
Potter, Helen N.	Huntingdon
Rhodes, Rhoda	Huntingdon
Rigg, Budd M.	Burlington, N. J.
Rohrer, Nance R.	Mount Union
Sames, Robert H.	Pleasantville, N. J.
Schroeder, Paul D.	Cherry Tree
Sease, Gene E.	Portage
Severn, Frank	Huntingdon
Shope, Pauline C.	Saltillo
Sikes, Donald R.	Salem, N. J.
Smith, Patrick L.	Saxton
Sollenberger, Carmon	Curryville
Stauffer, G. Frederick	Tarentum
Stinson, Margaret D.	Huntingdon
Stroup, Theodore S.	Huntingdon
Swaim, William E.	Cumberland, Md.
Swigart, John W.	Huntingdon
Taylor, Ruth L.	Burnham
Treaster, Donald M.	Lewistown
Trotta, Rose Mary	Mount Union
Van Siclen, Howard E.	Fanwood, N. J.
Van Tries, Howard A.	Altoona
Vasbinder, Donna II	Ebensburg
Wagoner, Robert E.	Johnstown
West, William J.	Huntingdon
Winans, Harry P.	Brooklyn, N. Y.
Woods, Donald E.	Confluence
Woods, Freda E.	Confluence
Wortman, George E.	Lewistown
Wright, Frances M.	Huntingdon
Wright, Lawrence R.	Merchantville, N. J.
Yeoman, Barbara A.	Princeton, N. J.
Yoder, Chester T.	Lewistown
Young, E. Richard	Mount Union
Zook, Floyd I.	Mill Creek

SUMMARY OF ENROLLMENT

(Fall and Spring Terms, 1952-53)

	Women	*Men*	*Total*
Seniors	37	66	103
Juniors	58	68	126
Sophomores	58	77	135
Freshmen	95	129	224
Unclassified Students	24	19	43
Totals	272	359	631

(Summer Term, 1952)

	Women	*Men*	*Total*
All classifications	42	65	107
Totals	314	424	738
Duplicates	25	54	79
GRAND TOTAL	289	370	659

GEOGRAPHICAL DISTRIBUTION OF ENROLLMENT

(Unclassified Students Omitted)

Connecticut	1	Ohio	4
District of Columbia	2	Pennsylvania	470
Illinois	2	Virginia	1
Maryland	20	West Virginia	2
Massachusetts	1	Germany	1
Michigan	1	Yugoslavia	1
New Jersey	70		
New York	11	Total	588

DISTRIBUTION OF PENNSYLVANIA ENROLLEES BY COUNTIES

Allegheny	27	Juniata	5
Armstrong	2	Lackawanna	1
Beaver	3	Lancaster	7
Bedford	25	Lawrence	2
Berks	4	Lebanon	9
Blair	57	Lehigh	1
Bucks	8	Luzerne	2
Cambria	25	Lycoming	2
Cameron	1	Mifflin	23
Centre	2	Monroe	3
Chester	11	Montgomery	32
Clarion	2	Northampton	2
Clearfield	8	Northumberland	8
Columbia	1	Perry	1
Cumberland	5	Philadelphia	15
Dauphin	4	Schuylkill	3
Delaware	6	Snyder	2
Erie	2	Somerset	18
Fayette	3	Venango	1
Franklin	13	Washington	4
Fulton	2	Westmoreland	19
Greene	1	York	10
Huntingdon	78		
Indiana	8	Total	470
Jefferson	2		

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JUNIATA COLLEGE

HUNTINGDON, PENNSYLVANIA